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Annual Report 1974-1975

**Department of
Public Works**



**City & County of
San Francisco**



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ANNUAL REPORT

OF THE

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO



JUNE 30, 1975

□

JOSEPH L. ALIOTO
MAYOR

THOMAS J. MELLON
CHIEF ADMINISTRATIVE OFFICER

S. MYRON TATARIAN
DIRECTOR OF PUBLIC WORKS

□

COMPILED & DESIGNED BY RICHARD G. GLOSENGER, BUREAU OF ENGINEERING

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Cover: The City and the Golden Gate
Bridge from the Marin Headlands.
Courtesy of the San Francisco
Convention and Visitors Bureau.

MAYOR
JOSEPH L. ALIOTO

**CHIEF
ADMINISTRATIVE
OFFICER**
THOMAS J. MELLON

DIRECTOR
S. MYRON TATARIAN

**ASSISTANT DIRECTOR
PLANNING AND
CONTROL**
JEFFREY LEE

**BUREAU OF
ENGINEERING**
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ROBERT C. LEVY

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ARCHITECTURE**
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BUREAU**
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SUPERVISOR
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ADMINISTRATION**
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BUILDING
REPAIR**
SUPERINTENDENT
JOHN S. RUTHERFORD

**BUREAU OF
STREET CLEANING
AND PLANTING**
SUPERINTENDENT
BERNARD M. CROTTY

**DEPARTMENT OF
PUBLIC WORKS**
**CITY AND COUNTY OF
SAN FRANCISCO**
JUNE 30, 1975
ORGANIZATION CHART



CITY AND COUNTY OF SAN FRANCISCO
DEPARTMENT OF PUBLIC WORKS

OFFICE OF THE
DIRECTOR OF PUBLIC WORKS

210 CITY HALL
SAN FRANCISCO
CALIFORNIA 94102

November 10, 1975

Annual Report
1974-1975

Mr. Thomas J. Mellon
Chief Administrative Officer
City and County of San Francisco

Dear Mr. Mellon:

I am pleased to submit herewith, in accordance with the provisions of Section 3.501 of the Charter of the City and County of San Francisco, the Annual Report of the Department of Public Works for the fiscal year ending June 30, 1975.

The regular departmental budget for the year totaled some \$42,200,000, which was derived mainly from general funds and gas taxes. The amount actually expended was \$38,400,000, which did not include large encumbrances being disbursed, but not yet finalized, for capital improvements. These amounts were also exclusive of fundings and expenditures from bond sources and federal and state grants.

During the past year, the Department awarded 328 public contracts for construction and services estimated to cost approximately \$57,000,000 worth of work.

Private building activity was at a reduced rate with 10,855 permits issued for approximately \$183,000,000 worth of construction. These figures, compared with those of the previous year, represented reductions of about 4% and 10% respectively.

In addition to performing our routine functions, the Department expended special efforts in several high public impact activities as follows:

- Advancing the design and planned construction program of the Waste Water Management Plan to absorb an additional \$200,000,000 made available to San Francisco from the sudden release of impounded federal funds, preparing for acquisition of major treatment plant sites, and completing detailed plans for the initial construction of major sewerage/wet-weather-flow-retention systems;
- Continuing with the Field Act correction work on 62 schools, the status of which work at the end of the year, was about 1/3 completed, 1/3 under construction and the remaining 1/3 under design;
- Obtaining cleaner streets at reduced expenditures in the Richmond District, through the use of controlled parking and greatly increased use of mechanical sweepers;
- Developing a solid waste management plan for San Francisco, to satisfy state requirements, with the help of representatives from contractors, scavenger companies, environmental groups, the power company, business groups, and city departments;
- Placing most of the City's traffic signals, during the early morning light traffic hours, on a flashing cycle, as an energy conservation program; and
- Opening the Geary Street-Masonic Avenue Underpass to traffic, which intersection, prior to the construction of the underpass, was one of the City's worst traffic accident and congestion generating locations.

The Assistant Directors, the Bureau Heads, and their respective staffs have my sincerest appreciation for their fine efforts in conducting their respective operations, especially in this period of tight budgeting constraints coupled with increased public demands for service. I am also deeply grateful to you for your help and support in matters affecting the Department.

Very truly yours,

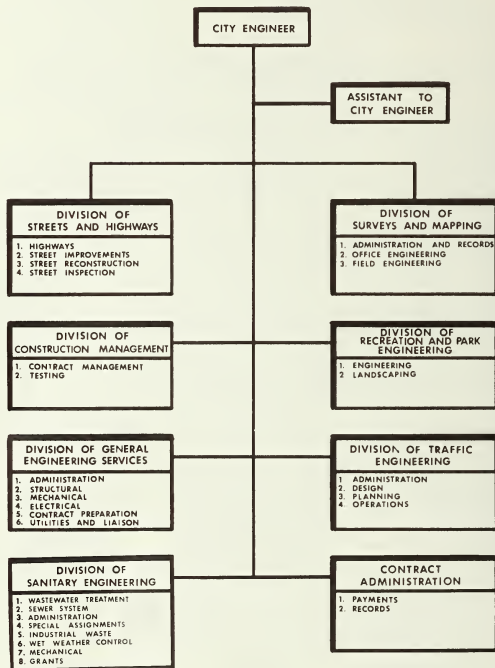
S. M. Tatarian
Director of Public Works

ORGANIZATION CHART

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

JUNE 30, 1975



BUREAU OF ENGINEERING

Robert C. Levy, City Engineer

New public works capital improvements, as well as major maintenance of existing capital improvements, have shown an alarming trend over the last few years to almost total dependence on federal and state grants. Previous local sources of funds, such as property taxes, sales taxes, and gasoline tax subventions, have seen such a demand placed on them for rising day-to-day operational costs that the legislative branch of the City government has allocated less and less each year for capital improvements. In addition, the total dollars from gasoline taxes have decreased due to the oil situation and rising gasoline prices which have reduced the amount of gasoline sold.

Federal and state funds bring with them all of the red tape and time-consuming discussions required in processing any request through the bureaucratic maze that is established to regulate these programs. Not only are environmental impact reports (EIR's) required, but also endless public hearings by local, regional, and state agencies. This increased paperwork, as well as long hours spent at hearings and delays in obtaining permits and approvals, have not only lengthened the time required from concept to actual construction, but have also increased the costs of projects.

Our major emphasis this past fiscal year has been on the water pollution control program--more specifically, on the Southeast Plant expansion and the accelerated grant-funded program for outfall consolidations, as explained in more detail further on in this report. In addition to our normal types of work, considerable time has been devoted to the Federal Aid to Urban Streets Program and the Protected Neighborhood Streets Program.

Our major concerns for the future are where will funds come from to carry on needed improvements, major maintenance, and updating of existing improvements so that the vast investment that we have in streets, sewers, lighting, structures, and other public facilities is not jeopardized by permitting these facilities to deteriorate to the point of major renovation with its attendant high costs. We are investigating and putting into practice such less expensive means of restoration as relining existing sewer pipe, slurry sealing roadway surfaces in place of asphalt overlays, and other less costly maintenance practices.

SIGNIFICANT ACTIVITIES

A. TRAFFIC, TRAFFICWAYS AND TRANSPORTATION

1. EARLY MORNING FLASHING SIGNAL PROGRAM

In accordance with the Mayor's policy of energy conservation, the Department of Public Works has initiated a program to flash most of the City's traffic signals in the early morning hours.

When our program is fully implemented, approximately 670 of the 840 signalized intersections will be in flashing operation during the following time periods:

- a. 12 a.m. to 6 a.m., Monday through Friday }
AND } in areas with night
2 a.m. to 6 a.m., Saturday and Sunday } attractions
- b. 12 a.m. to 6 a.m., every day in residential areas

When fully implemented, the program is expected to save 600,000 kilowatt hours of electricity annually. In addition, less idling and delay by motorists in the early morning hours saves approximately 450,000 gallons of gasoline per year.

The majority of the intersections will flash amber on the "major" street (motorists must exhibit caution) and flash red on the "minor" street (motorists must make a full stop). At intersections where two major streets cross, or at intersections with unusual geometrics, the signals shall flash all way red or be in the normal 3-color operation mode. To help control speeding, we plan continued normal operation at various signals within certain systems.

We recently reviewed the accident records of three of our early morning flashing signal systems (the Mission system, the 7th Avenue system, and the Outer Mission system); thus far, there have been no significant increases in the amount of early a.m. accidents within any of these systems. We will continue reviews periodically and make modifications to our program where necessary.

Our gradual expansion of the flashing operation to other systems with emphasis on the North of Market and South of Market system is underway, and we hope to complete this program soon.

2. UPDATE ON THE FEDERAL AID URBAN SYSTEMS PROGRAM

San Francisco's Federal Aid Urban (FAU) Program was approved by the Federal Highway Administration in April, 1975. The program had previously received approval by the Metropolitan Transportation Commission, State of California, Department of Transportation

District 4, and the State Highway Commission. The State has released the first 2 years' (fiscal year 1973-74 and 1974-75) FAU funds. For San Francisco, this amounts to approximately \$7,100,000 for the first 2 years.

The FAU Committee, consisting of representatives from the California State Department of Transportation, the Bay Area Rapid Transit District, San Francisco's Municipal Railway, San Francisco's Department of City Planning, Golden Gate Bridge Highway and Transportation District, Alameda-Contra Costa Transit District, and this Department, set up a formula for the distribution of these funds as follows: \$700,000 off the top for "streets only" projects to compensate for previous annual TOPICS allocations. The remainder to be divided evenly among "streets only," "streets and transit," and "transit only." This arrangement, with the amount of funds allocated to San Francisco, works out to be approximately 57% for transit and transit-related projects, which is a greater percentage of FAU funds allocated for transit than in any other jurisdiction in the San Francisco Bay Area.

The projects submitted to the Federal Highway Administration as part of the Department of Public Works first-year program are the following:

1. Sansome Street Rock Wall Barrier
2. San Jose Avenue Slope Stabilization
3. Third Street Bridge Reconstruction
4. Geneva Avenue and Interstate 280 Ramp Signals-Contract 1C
5. Third and Other Streets Rehabilitation
6. Traffic Signals (Modification to Pedestrian Heads)-Contract 10
7. Geneva-Ocean-Phelan Rechannelization and Pedestrian Overpass

The second-year projects submitted to FHWA are the following:

1. Mission and Other Streets Rehabilitation
2. Army Street Circle Landscaping

In addition the following projects will also be submitted under the second-year program:

1. Market Street, McCoppin to Collingwood, Rehabilitation and Bicycle Lanes
2. Park Presidio Bypass-Crossover Drive, Street Lighting
3. Valencia Street, Street Lighting
4. St. Francis Circle Rechannelization
5. Mission and 4th Streets, Transit Preferential Treatment Project
6. Judah Street Improvement Project, Phase 2

The Sansome Street Rock Wall Project was approved late in 1974 and was completed in February, 1975. In addition, the San Jose Avenue Slope Stabilization Project has been approved by FHWA and the contract has been awarded.

In lieu of Federal requirements for the FAU Program, the procedures for development of the program were changed to require the Board of Supervisors approval of the overall FAU Program before submittal to the FHWA for approval.

3. EPA'S PARKING MANAGEMENT PLAN

A Parking Management Plan for the City and County of San Francisco is currently being developed to meet Environmental Protection Agency (EPA) guidelines. These guidelines formulated by EPA are aimed at reducing vehicle miles traveled (VMT) and at minimizing motor vehicle pollutant emissions to improve air quality in the San Francisco Bay Area under the Clean Air Act of 1970 and to attain the National Ambient Air Quality Standards.

The Parking Management Plan is essentially a plan devised to regulate all parking in the City. It is presently a joint effort between the Department of Public Works and the City Planning Department. Funding for this project is provided by the Urban Mass Transportation Administration (UMTA) through the Metropolitan Transportation Commission (MTC).

Since this plan will ultimately be integrated into the Regional Transportation Control Plan, cooperation among regional agencies is involved. These agencies include the cities of Oakland and San Jose, MTC, BARTD, EPA, Association of Bay Area Governments (ABAG), the Bay Area Air Pollution Control District (BAAPCD), and the consulting firm of Alan M. Voorhees & Associates.

4. TRANSIT PREFERENTIAL STREETS

The Department of Public Works has installed a "transit only" lane on Sutter Street between Van Ness and Stockton Streets and on Post Street between Van Ness and Taylor Streets. Special signs and pavement markings are used to delineate the "transit only" lane.

These "transit only" lanes are the first phase of a traffic management policy to improve the operational characteristics of transit on congested streets. The "transit only" lanes on Sutter and Post are designed to eliminate the conflict between through traffic and transit. Motorists making a right turn or parking may enter the "transit only" lane. All other traffic is excluded.

Experimental bus loading platforms have been built on Polk Street between Sutter and California Streets to determine their effect on transit operations. The major benefit was found to be in the convenience they afforded to bus patrons. Hearings will be held in June, 1975, to determine the future of these platforms.

The next major project in the program will be the installation of "transit only" lanes on both Mission and 4th Streets. All work in this program is done in coordination with City Planning,



Left: Post Street looking east showing the exclusive bus lane for the Transit Preferential Streets Program. Lower Left: Precita Avenue showing narrowed entrance. Lower Right: Temporary barricades on a Jordan Park street used to restrict traffic for study purposes.



the Municipal Railway, and the Police Department.

5. PROTECTED NEIGHBORHOOD PROJECTS

Protected neighborhood concepts and projects were first discussed in last year's Annual Report. The following were projects worked upon during the year:

A. Harrison-Bryant Streets. Contract plans and specifications were completed in May, 1975, for this protected neighborhood project. The contract should be awarded in the summer of 1975 as soon as agreements are reached with the residents of the streets regarding tree maintenance. The cost of the project is approximately \$100,000. The Harrison Street portion of the project extends from 23rd to 25th Streets; and the Bryant Street portion, from 21st to 23rd Streets. Both streets include the following types of treatment:

1. Extending the sidewalk at intersection and midblock locations into the street area to narrow the existing roadways from 4 lanes to 2 lanes and to provide areas for tree planting.
2. Installing 45-degree angle parking in certain areas to gain parking spaces.
3. "Jogging" the centerline of the street around the bulbed sidewalks and the angle parking.

- B. Precita Avenue. At the request of residents of Precita Avenue between Folsom Street and Coso Avenue, a plan was jointly developed to narrow the entrances and exits to this already narrow one-way street by extending the sidewalks into the street at its intersections with Folsom Street, Coso Avenue, and Shotwell Street. This was developed as a means to discourage non-neighborhood traffic and the speeding of vehicles on Precita Avenue.

The construction was performed by the Bureau of Street Repair forces in September, 1974. The cost of the project was approximately \$1,800. An afterstudy will be undertaken very shortly to ascertain the effects of the sidewalk bulbing on traffic volumes, speeds, and accidents by the Traffic Engineering Division.

- C. Inner Richmond. The area involved is bounded by Geary Boulevard, Arguello, Fulton, and Funston Avenue. The treatment consists of corner bulbs, midblock islands adjacent to the existing sidewalk, and small islands in the center of the street at intersections. Channelization restricting through movements across Geary Boulevard and across Balboa Street at selected locations as well as on Fulton and other streets is planned. If landscaping maintenance details can be worked out, landscaping of the islands will be included. The cost of this project will be approximately \$150,000, and construction is planned to begin the latter part of 1975.
- D. Jordan Park. After several years of planning with the Jordan Park Improvement Association and the Department of City Planning, an experimental plan was installed at the end of January, 1975.

The streets treated were Palm Avenue, Commonwealth Avenue, and Jordan Avenues at Geary Boulevard and California Street. Parker Avenue was also treated at California Street and at Euclid Avenue.

By means of wooden barricades, the streets were narrowed at the Geary and California intersections and traffic was allowed to either enter or exit at each street. Northbound Parker Avenue traffic from Geary Boulevard to Euclid Avenue was restricted to a right-turn only.

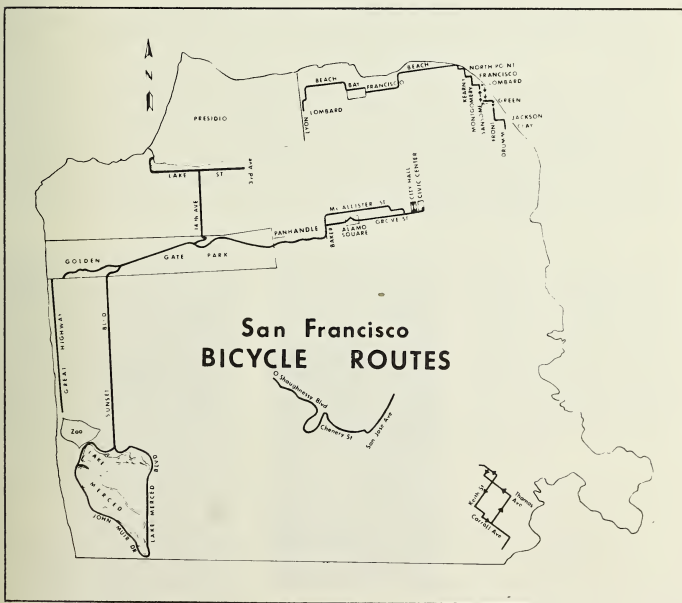
Before and after traffic volumes and license plate studies were made. There was a reduction of traffic on Jordan Park streets with the exceptions of Palm Avenue between Geary Boulevard and Euclid Avenue and Commonwealth Avenue between Euclid Avenue and California Street. However, a large number of people objected to the plan. The experiment was ended during the week of June 16, 1975. A postcard survey will be made to assess the neighborhood opinion of the plan, and a report will be transmitted to the Board of Supervisors. The cost of the installation and removal of the wooden barricades was approximately \$1,200.

Other protected neighborhoods presently under study are:

1. Excelsior District
2. Inner Richmond (Geary Boulevard to Lake Street)
3. Eureka Valley

6. BIKE PATHS

In perceiving the recent trend in bicycle riding to conserve energy, to protect the environment, and for exercising, San Francisco has become a leader among Bay Area communities in establishing bicycle routes. Currently, there are 29 miles of bike routes within City limits. Most of these miles are intended for recreational use. However, there are commuter routes leading from the Richmond District to the City Hall area and from the Marina District to the Golden Gateway. In addition to these routes, neighborhood routes have been established within the Glen Park and the Bayview areas.



Markings along bike routes consist mainly of signs warning motorists of the existence of bicyclists, while also indicating the route for bicycles. In addition to signing, in some cases bike lanes have been striped on the pavement or separate bike lanes have been built exclusively for bicycles, such as around Lake Merced along Sunset Boulevard and in Golden Gate Park.

Construction of a bicycle path along John Muir Drive and along the easterly side of Lake Merced was completed in December, 1974. The work was done under two contracts: one for the bicycle path along John Muir Drive between Skyline Boulevard and the county line, and the other for the bicycle path along the east side of Lake Merced between Sunset Boulevard and the county line. The Anza Engineering Corporation constructed the John Muir Drive bike path at a contract cost of \$23,950. The Lake Merced bike path was constructed by O. C. Jones & Sons at a contract cost of \$43,470. The bicycle path is 8-foot wide and paved with 2 inches of asphalt concrete on a 3-inch minimum red rock base. For the most part, the bike path is separated from the roadway by a 3-foot wide buffer strip. Wherever possible, a separate 4-foot wide unpaved jogging path is provided for joggers. The bike path was funded partially by State and Federal grants. The total project cost was \$80,600. The City's share of the project cost was \$35,700.

Although the usage of the bicycle routes has been minimal, it is hoped that usage will increase as the bikeways system in the City becomes more comprehensive. To promote the usage of the bikeways in San Francisco, routes are selected which provide safe access between schools, recreational areas, and shopping districts. The selection of routes is generally made by representatives of the Bureau of Engineering and the Recreation and Park Department. In one case, however, the Board of Supervisors requested that a

Right: Two views of the bicycle paths and signs used in the expanding bicycle routes program. Both photos were taken in the Lake Merced area where it was possible to construct paths separate from other traffic.



bike route be designated along the Upper Market Street area. This route extends from McCoppin to Castro Streets and is currently being designed within the Bureau of Engineering.

In connection with the establishment of bike routes around the City, arrangements have been made with several garages to provide facilities for all day parking for bicycles at 25 cents per day. Garages which have installed bike racks are the Civic Center Garage, Golden Gateway Garage, 5th & Mission Garage, Sutter-Stockton Garage, and the Ellis-O'Farrell Garage.

7. GEARY-MASONIC UNDERPASS

The Geary-Masonic Underpass Project, reported on in last year's Annual Report, has been completed and opened to traffic in November, 1974.

The landscaping portion, which was not included in the original contract, has been designed and submitted as a second-year project in the Federal Aid Urban System Program. Under this program, approximately 83 percent of the cost qualifies for federal dollars. The cost of the landscaping is approximately \$100,000. The underpass is well used with an average daily traffic volume of 31,000 vehicles. The surface intersections of Geary Boulevard with Presidio and Masonic Avenues operate with none of the congestion that was present before construction began. Many branches of this Bureau cooperated in this project, and all can be proud of a job well done. The landscaping project, designed by the Recreation-Park Engineering Division, will put the finishing touches in place. It is scheduled to be advertised in late 1975. The construction time for that project is approximately 2 months.



Far Left: An aerial view of the Geary Boulevard Underpass at Masonic St. looking west. This photo was taken by the Police Helicopter Unit during November 1974 as the underpass neared completion. Left: A view of the completed underpass looking east.

8. GENEVA, OCEAN, & PHELAN AVENUES-RECHANNELIZATION AND PEDESTRIAN OVERPASS

With Municipal Railway's planned abandonment of the Phelan loop (City College Station) for streetcars and the extension of the K Car service to the Geneva Avenue BARTD Station and the Muni Metro Center, new pedestrian loading and unloading facilities are required for use by students and other transit riders using the City College Station. In order to accomplish this, it is planned to construct loading islands on Ocean Avenue east of Geneva Avenue, together with a pedestrian overpass between Geneva Avenue and the City College campus with stairway connections to the Muni loading islands.

The left turn from eastbound Ocean Avenue to northbound Phelan Avenue causes serious congestion at this intersection. In order to relieve this condition, a new roadway is planned from Ocean Avenue near Lee Avenue through the present Phelan loop directly to Phelan Avenue. This will remove the present left turn and place it in a less congested area. Rechannelization of the intersection of Geneva and Ocean Avenues is also proposed in this project.

In order to implement these changes, Ocean Avenue will be widened on the north side. An embankment, which is presently the property of the City College District, has been acquired. In addition, land presently owned by the Water Department has also been acquired for the new roadway connecting Ocean Avenue with Phelan Avenue.

Since the streets involved are on the Federal Aid Urban System, FHWA participation for funding has been requested. The project construction period is approximately 9 months with the start of construction planned for late 1975.

This project was designed by City personnel and will consist of raised traffic islands, loading islands, and a pedestrian overpass supported by concrete arches. The arches would also contain the steps leading up the overpass from the loading islands. A large retaining wall will be built on the north side of Ocean just east of Phelan Avenue. The entire area will be landscaped. The project cost is expected to be approximately \$1,000,000.

9. EXCLUSIVE STREETCAR LANES ON MARKET STREET

As restoration of Market Street between Van Ness and Duboce neared completion, it was practical to keep vehicle traffic from the streetcar track. Necessary exceptions are on-track lanes for left turns at Franklin and at Valencia. Double yellow painted lines are used to delineate a track-containing median, while diagonal lines emphasize the "no vehicle" intention. Traffic signal timing was adjusted to favor streetcar travel,

particularly inbound streetcars in the mornings and outbound streetcars in the late afternoons. Measured travel times showed reductions of 25 percent for morning inbound streetcars, 32 percent for late afternoon outbound streetcars, and an overall reduction (both directions, all times) of over 17 percent.

10. JUDAH STREET TRANSIT IMPROVEMENT PROJECT

The Judah Street Transit Improvement Project between 9th Avenue and La Playa Street is one part of the Municipal Railway's city-wide transit improvement program to improve the operation of Municipal Railway rail vehicles on City streets in conjunction with the opening of the Muni Metro System. In concert with Muni's Transit Improvement Program, the Department of Public Works is also committed to making street improvements along the Muni rail facility to enhance its operation.

The Judah Street Project includes the construction of 3-inch raised semi-exclusive right-of-way for Municipal Railway vehicles; raised loading platforms at the Muni stops; narrowings of sidewalks to 10 feet to allow for one lane of traffic and parking in each direction; restricting left turns from Judah Street except at specified intersections; the undergrounding of overhead utilities; and the planting of trees along the entire length of the project.

The first phase of the Judah Street Transit Improvement Project between 9th and 19th Avenues was begun in July, 1974. Approximately 7,000 linear feet of new streetcar tracks were laid. New street lights and traffic signals were installed. Approximately 2,000 linear feet of new sewers were constructed. In addition, an undergrounding program for the new street light system and the Municipal Railway feeders were also incorporated in this contract. By June, 1975, approximately 90% of this nearly \$2 million project has been completed. A separate landscaping contract, mainly planting trees, will follow at a later date.

The second phase of the Judah Street Transit Improvement Project is scheduled to be under construction during fiscal 1975-76. It is estimated that this project will take from one to 1½ years to complete. The Phase II portion will be split into 2 contracts of approximately 15 blocks each. It is proposed to substitute bus service for streetcar service during the construction period, which will reduce construction time by approximately one-third. In addition, provisions have been made so that construction will not disrupt merchant areas along the Phase II project during the fall shopping season.

A committee was formed of representatives from the City Planning Department, Municipal Railway, Police Department, Hetch Hetchy Water and Power, the Fire Department, and the Department of Public Works to undertake the planning and coordination of the city-wide

Bottom: Judah Street before reconstruction as part of the transit improvement program.



Top: Judah Street after reconstruction. Note the raised exclusive streetcar lanes in the center of the street.



transit improvement program. Many meetings were held by this committee before the City agencies agreed to the proposed project design. Meetings were then held with various neighborhood organizations and other interested groups in the Sunset District regarding the various aspects of the project and their concerns about them. Discussions were held with SPEAK, the Judah Street Merchants Association, the Irving Street Merchants Association, Tides End Community Association, Noriega Street Merchants Association, Sunset Heights Improvement Club, among others. General

support was given for the project; however, specific concerns were expressed regarding left-turn prohibitions, sidewalk widths, and stop locations. A widely advertised public hearing was held by the Department of Public Works, which was well attended by community representatives. Once again various concerns were expressed. As a result, a Muni stop location was revised and some additional left-turn prohibitions being proposed were removed from the plan.

Subsequent to the public hearing, a resolution was passed by the Board of Supervisors in support of a proposal of the Coalition for the Removal of Architectural Barriers (CRAB), which called for the installation of loading islands raised to the height of the floor of the new Municipal Railway vehicles to allow easy access by wheelchair patrons of the Muni Metro System. Subsequently, the City departments met with CRAB and SPEAK representatives to agree to a method in which to proceed in making a decision regarding the installation of the mini-platforms, while at the same time allowing the Judah Street Phase II Project to continue at this time. As a result of those discussions, it was generally agreed to proceed in the following manner:

1. To construct low level 6-inch high platforms in the locations outlined in the original proposal without any of the proposed surface amenities, i.e., without railings, lighting, informational signs, etc. This allows for easy modification at a later date to the raised mini-platforms if it is finally decided to install them.
2. To undertake an independent study of the best way to make Muni Metro service readily available to the handicapped, including a study of mini-platforms, as well as other possible alternative methods.
3. To proceed with implementation of an appropriate scheme based on the results of the independent study.

It was generally agreed to proceed in the above manner for the following reasons:

1. Mini-platforms could not be used until the new Muni vehicles are built and in operation in San Francisco. This will be in approximately 2 years.
2. An independent study can yield unbiased results and indicate the best direction on which to proceed in making the Muni Metro readily available to all San Francisco residents.
3. It is expected that federal money will be available for such a study, which could be undertaken and completed before Muni begins regular operation with their new vehicles.

The Judah Street Phase II proposal was transmitted to the Board of Supervisors in June, 1975, for their consideration.

11. TRAFFIC SIGNAL INSTALLATIONS

Two types of traffic signals were installed during the past year in an effort to reduce traffic accidents.

The first of these consisted of signals on the center island of Van Ness Avenue. These used optically programmed signals which make it impossible for motorists in the left-turn lanes to see the signals on the center island. This procedure was necessary so that the motorists would not be confused by the signals into believing that a left-turn was protected. Motorists in other lanes see the full complement of signals.

Another installation used long arms to place the signals over the roadway to improve visibility at the intersection of Sloat Boulevard and the Great Highway.

Both installations were installed on wide boulevard type streets where visibility of secondary signals on the extreme left side of the roadway was not always clear.



Above: Van Ness Avenue median island traffic signals at Eddy Street. Right: Mast-arm traffic signals on The Great Highway at Sloat Boulevard looking north.



B. ENVIRONMENTAL WASTE CONTROL

1. MICROFILMING

The Bureau's Division of Sanitary Engineering purchased a 3M Dry Silver Model 201 microfilm reader-printer, which is used at 770 Golden Gate Avenue.

Over 40,000 of the Bureau's tracings were microfilmed, and aperture cards were made from a duplicate roll of film. The cards are kept near the reader-printer and are used by engineers and draftsmen to analyze, on the screen, any of the filmed drawings and to make a print if necessary.

The availability of the reader-printer and the aperture cards at 770 Golden Gate Avenue saves considerable time previously used in walking to and from City Hall for design information, thereby increasing the efficiency and production of design and construction of sewers and treatment plants.

Duplicate aperture cards or rolls of film can be made for other divisions as they acquire readers or reader-printers.

2. GRANT PROGRAM

In 1974-75, the amount of grant offers for water pollution control increased dramatically over previous years. With the release of impounded federal grant funds, the City has a unique opportunity to move forward at an earlier date than originally anticipated to correct our wet weather bypasses and overflows. The State Water Resources Control Board has now included the City's wet weather projects on its grant fundable priority list, the first time this has ever happened. These projects are more fully described in the Accelerated Program section. The grant funding generally fell into three categories: increases in existing grants, receipt of new grants, and meeting requirements for anticipated grants.

Existing Grant Increases:

- (a) The North Point and Southeast Chlorination Grant No. C-06-0440 was increased by the State from 0% to 25% (\$149,370).
- (b) Second round reimbursements for projects completed between 1966 and 1972 were received in the amount of \$396,700, bringing the total received by the City under this section of PL 92-500 to \$1,146,217.

Grants Received 1974-75:

- (a) State and Federal grants totaling 87½% (\$4,846,625) were received for facilities planning, past and current work

the City and its consultants have performed in preparation, modification, and work related to the Master Plan for Wastewater Treatment.

- (b) The first phase of the North Point to Southeast Transport Project received grants totaling 87 $\frac{1}{2}$ % (\$18,086,250), and initial construction is underway.
- (c) A demonstration grant of 75% (\$65,000) to demonstrate real time control of storm water storage facilities.

Total grant offers received to date since 1966 for water pollution control projects are:

Federal	\$35.3 million
State	<u>5.3 million</u>
TOTAL	\$40.6 million

Anticipated Grants during 1975-76:

- (a) Facilities Planning for Wet Weather Projects approximately \$2 million.
- (b) Interim work at SEWPCP approximately \$4 million.
- (c) Interim work at RSWPCP approximately \$7 million.
- (d) Accelerated Program approximately \$120 million.
- (e) SEWPCP Expansion approximately \$80 million.

The Grants Branch has also become the Department's National Flood Insurance Coordinator, since compliance affects all federal grants. Appeals have been filed with HUD, documented by the latest information available, disputing the designation of certain areas of the City as flood hazard areas.

3. INDUSTRIAL WASTE PROGRAM

San Francisco's Industrial Waste Program is intended to regulate all industrial discharges as required to protect the sewerage treatment system and employees employed thereabout, and to meet State and Federal requirements placed upon the City. During 1974, 4,130 industries were inspected, 238 hearings were conducted, and 229 Director's Orders were issued involving time schedules for 246 separate violations of the Ordinance. Also, during 1974, the Industrial Waste Questionnaire was developed; and 3,800 questionnaires were mailed by June, 1975. In accordance with the City's NPDES Permits received on December 6, 1974, we began influent profiling on all three water pollution control plants.

During 1974, program objectives were pursued to further the broad goals undertaken by the Department of Public Works to insure that industrial discharges to the sewage treatment system would not

result in damage to the receiving water environment. The following have been undertaken to implement this program:

A. pH Control.

The CH₂M Hill Wastewater Treatment Pilot Plant Study demonstrated the need for a source control program because of wide fluctuations in pH observed in the Southeast Water Pollution Control Plant (SEWPCP) influent. During 1974, 229 DPW Orders were issued. As of June, 1975, 154 additional DPW Orders were issued for the control of pH violations of the Industrial Waste Ordinance. To date, DPW Orders have been issued for pH compliance applicable to all known major industries.

B. Pollutant Inventory and Evaluation.

As a result of the issuance of the NPDES Permits for the 3 water pollution control plants, we must provide to the Regional Water Quality Control Board by March 1, 1976, documented time schedules of compliance for all major industries. These are the industries whose uncontrolled discharge into the sewage treatment system would result in NPDES Permit violations even with secondary treatment on line. Pollutants under consideration are chromium, mercury, nickel, and zinc. The inventory of all representative industries will involve sampling and analysis for these pollutants and followed by a quantitative evaluation of probable impact on the anticipated secondary treatment plant.

C. Questionnaire and Evaluations.

The use of a questionnaire providing information of water usage and disposition, process description, raw materials used, production, etc., has facilitated the identification of many suspect dischargers. This was deemed invaluable due to the very large number of industries which had yet to be inspected. The evaluation of the questionnaire facilitated the identification of possible pH violations or other pollutant discharges.

D. Computer file of Pollutant Records.

Data banking and retrieval of information on all known dischargers will greatly facilitate our operation. Pertinent data will include name, business location, sewer location, pollutants, loading to sewerage treatment system, compliance schedules, etc.

E. Proposed Revision of Ordinance 15-71.

We are proceeding with the revision of Ordinance 15-71 to accommodate the recent issuance of the NPDES Permits to the City.

F. Surveillance, Accidental Discharges, Complaints.

No enforcement program can be assured effective unless a follow-up surveillance program is maintained. We are proceeding with the purchase of advanced designed manhole-situated sampling equipment.

Accidental discharges and complaints were investigated immediately upon notification. Appropriate follow-up actions were instigated immediately thereafter.

G. Monitoring.

During the year, a study was initiated for a continuous monitoring field station. This unattended facility will be constructed inside the presently owned Modulaire Mobile Trailer situated at the SEWPCP. Analyzers monitoring a minor stream from the major influent channel will give ready information on the discharge of pollutants of concern. These will initially include Total Organic Carbon (TOC) and mercury. An instream pH monitoring system will also be included.

H. Industrial Waste Review Board.

The Industrial Waste Review Board conducted hearings in Spring, 1975, regarding laundry pH violations. As a result of these hearings, the power laundries in the City found to be in pH violation were placed on time schedules to stepwise reduce the pH of their waste water discharge to the Ordinance limitations in effect in January, 1977, by the same date.

4. BAY-OCEAN EFFLUENT DISPOSAL STUDY

This study, which has been previously reported on in the 1970-71 and 1973-74 Annual Reports, was brought to completion this year. The study was performed by Brown & Caldwell under the direction of a Technical Advisory Board consisting of recognized experts in sanitary engineering, marine biology, and oceanography. That portion of the study, completed in 1971, was concerned with the potential adverse effects of discharging primary effluent to the Ocean and concluded that ocean disposal in the Gulf of the Farallones caused no ill effects. However, federal requirements, subsequently adopted, specified secondary treatment for both ocean and estuarine disposal, thereby annulling some of the economic advantages for ocean disposal. As a result of this requirement, a site in San Francisco Bay offshore of Islais Creek was also considered. Existing disposal requirements do not strongly differentiate between marine and estuarine disposal, and thus ecological studies were undertaken to determine if there is a difference in the impact a treated waste water discharge would have on the Bay versus Ocean disposal. The effluents from both a physical/chemical and biological pilot plant were used in this evaluation.

The data obtained in this study indicate that differentiation between sites for waste water disposal based on gross ecological criteria is difficult. Extensive field investigations showed that a rich and diverse fauna inhabit both the proposed ocean and estuarine disposal sites. Toxicity studies on representative marine species showed that test organisms were able to withstand short exposures to biologically and physically/chemically treated pilot plant effluents at concentrations higher than those likely to be found in the environment. However, consideration of long-term effects and physical conditions at each site relative to potential impact favor the ocean site.

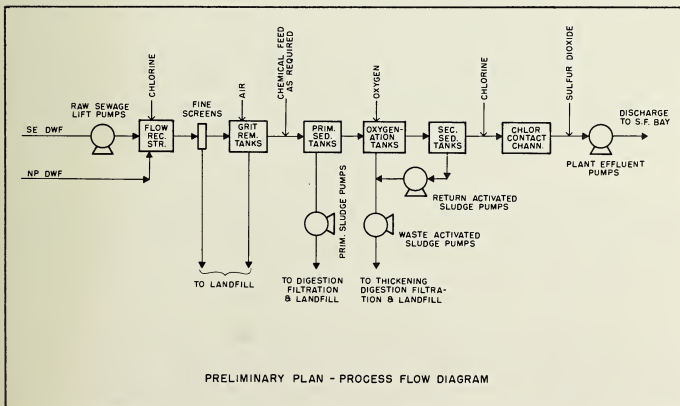
5. SEWPCP-PROCESS DESIGN AND EXPANSION

This project was initiated in September, 1973, to develop a preliminary plan for the expansion and upgrading of the SEWPCP to handle the combined flow from the North Point and SEWPC Plants.

Four alternative schemes which have been investigated are as follows:

Scheme I - Physical, chemical treatment, 2-stage chemical treatment (ferric chloride and lime) and followed by filtration and carbon adsorption.

Scheme II - Physical, chemical treatment, single-stage chemical treatment (ferric chloride or alum) followed by filtration and carbon adsorption.



Scheme III - Biological treatment, conventional air-activated sludge treatment.

Scheme IV - Biological treatment, high-purity oxygen-activated sludge treatment.

All of these schemes are designed to meet the Federal and State discharge requirements.

At present, the North Point and SEWPSP Plants jointly serve a total resident population of about 500,000. In addition, an estimated 200,000 transient daytime population is served, coupled with a significant industrial waste load. The industrial contribution is characterized by the presence of high COD, chlorides, magnesium, variable pH, and high toxic elements such as chromium and zinc. The high COD, chlorides, and magnesium of the combined flow from these two plants make the physical/chemical treatment processes (Schemes I and II) highly unfavorable. The lime requirement would be as high as 600 mg/l. the recoverable lime, through the lime recalcination process, is estimated to be less than 45%. The make-up carbon for the carbon adsorption process is estimated to be 1,350 pounds per million gallons.

Comparison of the biological treatment processes (Schemes III and IV), based upon pilot plant testing of the combined flow of the North Point and SEWPSP Plants, indicates that the treatment reliability of the high-purity activated sludge treatment, in both suspended solids and BOD removals, superior to the conventional air-activated sludge treatment. Based on the pilot plant testing, process analyses, cost effectiveness studies, land requirements, and other social environmental considerations, Scheme IV was selected as the best process.

A series of public hearings have been conducted to inform the interested agencies, organizations, groups, and individuals about this selected scheme. Strong opposition was expressed by the neighborhood residents, particularly by those individuals whose residences and businesses would be affected. As a result, the Board of Supervisors' approval of this scheme, originally scheduled in June, 1975, was delayed.

This preliminary plan should not be considered as precise and final. Further investigation, public participation, regulatory agency approvals, and pre-design efforts must follow. These are anticipated to start in July, 1975.

6. ALTERNATIVE WET WEATHER PLANT SITES STUDY

The 1973 Master Plan proposed that the raw sewage from the North Point and Southeast drainage districts be treated at a new secondary treatment plant in the vicinity of the existing Southeast treatment plant and that a large wet weather treatment plant (Southwest plant) be constructed in a 43-acre City-owned site

south of the City's Zoological Gardens. The configuration proposed for the Southwest treatment plant by the Master Plan would also provide for the treatment of dry weather flows emanating from the Richmond-Sunset drainage district, thereby permitting abandonment of the Richmond-Sunset plant situated in Golden Gate Park. The location of the wet weather plant at the Southwest site has been conditionally approved by both the City Planning Commission and the Recreation and Park Commission.

The Board of Supervisors authorized this Department in July, 1973, to proceed with Stage I of the 1973 Master Plan (the implementation of all proposed dry weather pollution control facilities and portions of the proposed wet weather facilities), but requested the Department to consider and evaluate alternative locations for the wet weather plant.

As previously stated, the 1973 Master Plan identified the vicinity adjacent to the existing Southeast treatment plant as the preferred location for construction of secondary treatment facilities to treat the combined North Point/Southeast drainage districts' dry weather flows. The Southwest site was identified as the preferred location for construction of wet weather facilities capable of treating wet weather flows from the entire City, while the option of treating the Richmond-Sunset dry weather flow at either the Southeast or Southwest site was left open.

In compliance with the Board of Supervisors' request to evaluate alternative locations to the Southeast site proposed by the 1973 Master Plan, the Department of City Planning was requested to make an independent evaluation from the planning standpoint of alternative locations.

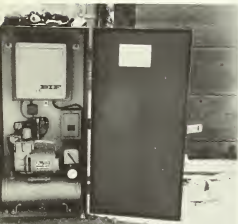
Each alternative has major advantages which are in part economic and in part subjective. After review and consideration of these factors, a location in the southwest part of the City was recommended. The Board of Supervisors has acted favorably on this recommendation and has directed the Department to prepare the necessary ballot issue to allow use of the site on the November 1975 ballot.

7. RAINFALL-RUNOFF MONITORING PROGRAM

Annual Reports since 1970-71 have extensively described the rainfall-runoff data acquisition system. The system was installed to develop the required data for the design of Master Plan facilities, and the last of the field sites were completed in late 1972. The completed system now consists of 116 flow monitor stations, 30 rain gauges, and a central office computer.

The data acquisition program has been continued in order to add to and to develop the required data base for the design of Master Plan facilities and the development of the control equations for a real-time system. The rainfall information collected has been excellent; however, the deterioration of the flow monitors has

generated a great deal of suspect data. As mentioned in the 1973-74 Annual Report, rainfall analysis has begun in detail. It is becoming increasingly obvious that rainfall measurements by the United States Weather Bureau's first order gauge grossly understate the actual rainfall in the City. Preliminary statistical analysis of storms from the winters of 1974 and 1975 indicate that the federal gauge consistently measured less rainfall than 26 other gauges in the City. Of all the data generated, that from the federal gauge is further out of line with the rest than other stations. Preliminary analysis of the last two years of data indicates that only 3 of the 30 gauges measured less rainfall than the federal gauge. The others are all higher, varying from 3% to 60% higher. All of the gauges in the Richmond-Sunset zone are higher, varying from 11% to 45%. Only one gauge in the North Point district regularly registers less than the federal gauge. In the Southeast district, 2 gauges register slightly less than the federal gauge, while the others are greater by as much as 33%. These data all indicate that the meteorology of San Francisco varies to a great extent and will have to be taken into account during the facilities design.



Above Left: Flow Monitor Enclosure. Above Right: Al Hew is pictured with Data Acquisition System maintenance vehicle at Kansas and Marin Streets. Right: DAS Computer Center at 770 Golden Gate Avenue.



8. INFILTRATION/INFLOW STUDIES

The 1973-74 Annual Report described the results of the Infiltration/Inflow Report for the North Point District. It stated that infiltration and inflow of water into the sewerage system increases the volume to be treated, the size of the treatment works, and the cost of treating waste water. The volume of infiltration and inflow is defined as excessive if the estimated cost for its treatment is greater than the estimated cost for its correction in the sewer system.

Congress passed the Federal Water Pollution Control Act Amendment of 1973, whereby it becomes mandatory for agencies seeking Clean Water Grants offered by the State and Federal Agencies to submit a formal analysis of infiltration and inflow in the collection system.

San Francisco is divided into 3 major treatment districts; North Point, Richmond-Sunset, and Southeast. The latter two Infiltration Inflow District Reports were completed during the 1974-75 period.

Major fresh water inflow occurs during the wet weather when rainfall enters the system, which is the normal function of a combined sewer system, such as San Francisco's. Dry weather inflow, such as would be experienced in San Francisco, would include basement dewatering, well discharges, and hill drainage. Minor salt water inflow occurs from leakage through tide gates and occasional topping of overflow weirs by extreme high tides.

Infiltration can occur when the ground water level is above the sewer and enters through defects in the pipe. When the high water table is in the tidal areas, salt water may infiltrate.

Compilation of the reports for the Richmond-Sunset and Southeast Districts gave us the opportunity to investigate the water consumption for the total City in relation to the 3 treatment regions. This revealed that the water consumption data used in the North Point report was an incomplete record.

Conclusions of the reports, including revised North Point data, are as follows:

1. The 6.0, 4.2, and 3.9 billion gallons per day of wet weather inflow during a 5-year storm into the North Point, Richmond-Sunset, and Southeast sewer systems respectively cannot be eliminated, because continuation of the combined sewer system in San Francisco is the most cost-effective solution.
2. There is no excessive infiltration of inflow into the Richmond-Sunset and Southeast districts, nor is there excessive infiltration into the North Point District.
3. The unaccountable volumes presumed to be inflow to the North Point, Richmond-Sunset, and Southeast districts are 7.0, 0.8,

and 1.8 million gal./day, respectively. The revised 7.0 MGD from North Point compares with 16 MGD in the original report. It has not been determined that eliminating deliberate inflows into a combined sewer system is the most effective or desirable means of removing such water. The sewer rehabilitation program would only identify inflow sources, and the inflows would be allowed to continue in all probability. When private dischargers are identified and found not to be paying for treatment commensurate with the flow, such additional costs could be recovered through the sewer service charge program.

4. The City's continuing sewer improvement program will continue to expend \$3 to \$5 million in contracts annually. Accordingly, corrections to infiltration/inflow problems will be resolved as they are encountered.

9. TV SEWER INSPECTION PROGRAM

The closed circuit television unit has proved to be a valuable aid in the detection of sewer problems throughout the City. On several occasions this past year, the unit was called upon by the Bureau of Water Pollution Control to assist them in assessing damage within sewers. In addition to the emergency work, the unit has been engaged in the evaluation of City sewers which are 75 years old or older. Numerous crushed sections, in a state of imminent collapse, have been found and reported to the BWPC for repair.

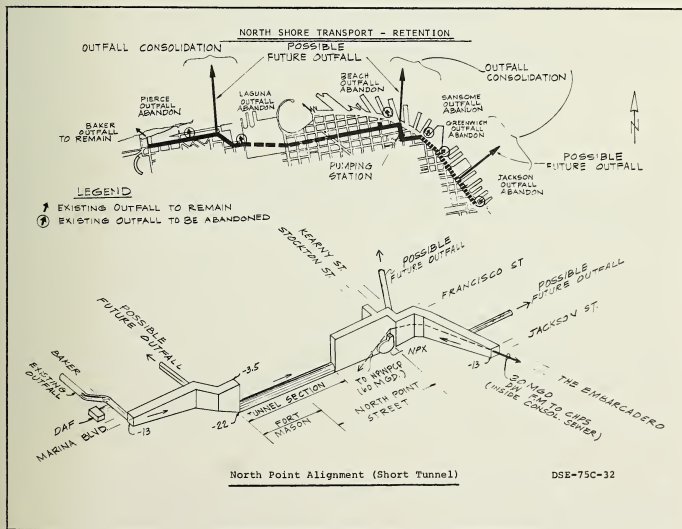
The TV unit has created a considerable amount of public interest throughout the City; and, in May, 1975, Channel 4 News requested an interview concerning the operation. The interview was later viewed on the Channel 4 Six O'clock News.

Approximately \$17,000 was appropriated to the TV operation for new equipment this year. The equipment was required in order to comply with State safety requirements and to upgrade the caliber of the TV operation. Of particular interest is the acquisition of air test equipment, which will give the operation the capability of testing suspected joints for infiltration and ex-filtration. Additional equipment includes a portable trolley, which will allow the camera to be pulled through sewers 4'-0" in diameter and larger, and particularly the 3'x5' sewers. Also included in the new equipment is a Sony portable rover camera. The camera can be used with a portable video recorder, which is presently on the TV unit, to provide video tapes of areas pertinent to design and construction purposes. Other equipment secured include an emergency oxygen administrator, first aid kit, fire extinguisher, safety harnesses, traffic warning lights, manhole air blower, submersible sump pump, and a 2,000# hand wrench.

10. ACCELERATED PROGRAM

Early in 1975, federal water pollution funds, which previously had been impounded by the Executive Branch, were released by a decision of the Supreme Court. At approximately the same time, State officials were examining the possibility of expediting new construction programs in order to relieve severe unemployment in the State. The City, in cooperation with State officials, submitted an ambitious program relating to water pollution control projects and is now involved in the planning and design of over \$200 million of such facilities, the bulk of which is intended to be under construction in July, 1976, or as soon thereafter as possible.

One of the first elements of wet weather overflow control in this accelerated effort was the North Shore Outfalls Consolidation Project. This project, estimated to cost \$55 million, will consist of a transport-detention system which will connect and intercept existing outfalls discharging into the Bay along the shoreline between Baker and Jackson Streets. The system will drain to a low point in the vicinity of the North Point plant,



where a new pump station will be constructed. The system will be large enough to not only transport all of the dry weather flow and a portion of the wet weather flow, but will also provide sufficient storage capacities to perform the same function as the individual retention basin system, which was described in earlier annual reports as Stage I facilities. In other words, the consolidating sewers which were required in either scheme to connect individual outfalls have been enlarged to provide the storage functions, thus eliminating the need for upstream retention basins in this particular area. If a higher level of overflow protection were desirable in the future, the system could be enlarged or retention basins added. Planning is essentially complete for the North Shore Consolidation Project, but is only partially complete at three other locations. A cost comparison has been made between the North Shore Project as currently envisioned as opposed to the individual basin concept, and a savings of some \$26 million is anticipated at the design level of one overflow per year.

This approach of providing transport and storage in the same conduit is also being developed under the Accelerated Program at other locations in the City: at outfalls along the Channel Street waterway, at the Islais Creek outfalls, and for the West Side Transport System in the Richmond-Sunset District. The cost of the wet weather program at these four locations is estimated to be approximately \$80 million.

11. NORTH POINT CROSSTOWN TRANSPORT PROJECT

This project, described in the 1973-74 Annual Report, is designed to transport the flows, which normally would be treated at the North Point plant, to the Southeast plant. The portion presently planned consists of a large pumping station at Channel Street with a 66-inch diameter force main extending to the enlarged Southeast plant.

The plans and specifications for the Channel Street Pumping Station were essentially complete at the time of the announcement of the Accelerated Program. With monies available for a consolidation program in the Channel Street area, a new look was required at the low-level pumping capabilities of the proposed station. As a result of this review, a decision was made to lower the pump station 16 feet in order to drain the proposed Channel Street system, thus providing considerable future overall savings to the wet weather overflow control program. These design revisions were essentially complete at the close of the fiscal year, but the contract will not be advertised until land right-of-way is acquired.

The Channel Outfall Consolidation Project also allowed for the elimination of the need for a force main in Berry Street. The bids which were received for this project, designated as Contract IX, were rejected; and this portion of the work was cancelled.

A contract was awarded on April 2, 1975, in the amount of \$2.1 million for the construction of a 66-inch force main in Indiana Street from Mariposa to Army. Designs for the remaining force main contracts, estimated to cost approximately \$3 million, are completed and should be advertised and awarded early in the next fiscal year.

12. SEWPCP-SLUDGE FILTRATION IMPROVEMENTS

A contract constituting the third phase in the improvement of the sludge filtration system at the Southeast Water Pollution Control Plant was awarded for approximately \$392,000.

Work under this contract consists of the installation of a new 100-ton sludge filter cake hopper and the rehabilitation of the existing 100-ton sludge filter cake hopper. The existing hopper had deteriorated to where it could no longer store filter cake without excessive leakage, which necessitated the constant standby of a truck and driver. Both the new hopper and rehabilitated hopper will be provided with specially designed doors equipped with "J" seals, which will eliminate leakage even when the hopper is fully loaded.

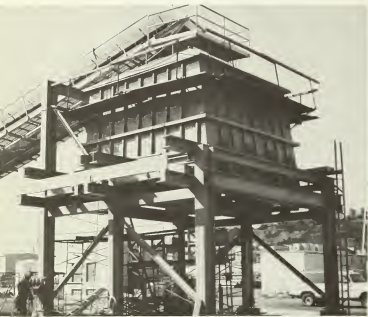
On completion of the installation of the new hopper, plant personnel can institute an ongoing maintenance program on the hoppers without affecting the operation of the sludge filtration system.

13. NORTH POINT OUTFALL DIFFUSERS

The current Wastewater Treatment Consolidation Master Plan, which has been adopted by the Board of Supervisors, will ultimately phase the North Point Water Pollution Control Plant out of service for dry weather flow. This plant, which has an average daily flow greater than the combination of the other two treatment facilities at both the Southeast and the Richmond-Sunset, is located at the base of Bay Street at the Embarcadero. In order to meet the increasingly stringent Bay water quality requirements for the quality of the effluent emanating from the North Point Plant, even while phasing it out of service, has proven to be a unique challenge to the engineering personnel of the Bureau of Engineering. In addition to improving the quality of the effluent discharge relative to chlorine induced toxicity with the installation of a new dechlorination system, this new project constitutes a reconstruction of the outfall diffuser system which disseminates this effluent.

The basic thrust of this contract was to increase the lengths of piping, which diffuses and disseminates the effluent liquids into San Francisco Bay. This decreases the intensity of the effluent composition over the area and substantially deepens the elevation of dissemination so that a greater volume of water would separate

Below: New Sludge Filter Cake Hopper under construction at the Southeast WPC Plant.



Below: 48-inch diffuser pipe and flotation spheres being assembled at Pier 33 as part of the North Point Outfall Diffusers project.



the points of dissemination from the surface of the Bay.

The low bid was submitted by Havaside-Heastings, Inc., of Sausalito, California, in the amount of \$570,000; and the contract was awarded with an official starting date of February 11, 1974.

The 48-inch diameter ductile iron diffuser piping installed under this contract is supported by Monell Steel U-bolt Hangerstraps and was constructed in place as follows: The 16-foot long pre-fabricated sections of pipe, with 10-inch diameter diffuser ports at 4'-6" centers, were joined together on the decks at Piers 33 and 35 and bolted into their final configuration. These bolted up sections constituted some 80 linear feet when finally made up. The pipe was placed into the Bay by crane where it was attached to 16.5 feet diameter floatspheres of sufficient buoyancy to support the pipe while it was floated from the pier to its final position under the ends of the piers by use of ball-check air release valves on the floats. Thus, the contractor could modulate the height at which the pipe was suspended under the water with some degree of accuracy. The pipe was then towed by the contractor's tug into its final position and slowly released into the hanger brackets which had been prepared to receive it. Due to the flowing of the Bay mud bottom at the lower elevation of the pipe installation, the contractor was required to jet away the silt from the area of the pipe installation. The silt will be kept away at the time the system is actualized by the velocity of the effluent emanating from the 10-inch diameter diffuser ports. In addition, because of possible effluent line surcharge during the time of peak flow, 14 pressure manholes were installed on the effluent line from the North Point Treatment Plant to these diffusers to insure the maintenance of the flow within the system at

Below: Precast pipe with modified invert stand ready for installation as part of the Hyde Street Outfall Consolidation.



Below: Jefferson St. near Taylor becomes a series of dirt piles as side sewers are connected.



all times, even during heavy rainfall. This contract was completed during June, 1975. The increased dilution afforded by this system, coupled with improved effluent quality from the dechlorination system, should result in a substantially lessened environmental impact of the sewage effluent upon San Francisco Bay.

14. HYDE STREET SEWER OUTFALL CONSOLIDATION

A portion of the Waste Water Control Master Plan concerns itself with the consolidation of the existing 41 sewer outfalls which terminate in San Francisco Bay. These outfalls are functional only during wet weather to discharge the flow which exceeds the capacity of the treatment plants into the Bay.

The Hyde Street-Jefferson Drainage District was consolidated with the Beach Street Drainage District, which eliminated discharges from the Hyde Street outfall and the need for the existing Hyde Street pumping station. This project went through the heart of Fisherman's Wharf and extended from the Embarcadero down both Jefferson and Beach Streets to Van Ness Avenue. The contract called for the construction of 5'-2" x 5' reinforced concrete box sewers and other large sewers totaling 5,144 feet throughout the entire length of this project. The anticipated disruption to the Fisherman's Wharf-Ghiradelli Square area can well be imagined. In light of this project, the Director of Public Works and the City Engineer scheduled numerous coordination meetings with the Fisherman's Wharf Merchants Association and other interested parties in the area to coordinate in detail the proposed

methods of operation and the proposed time scheduling of the contract. Specifications were detailed in accordance with the agreements reached at these meetings. In addition, a series of preconstruction conferences were scheduled with all the contractors who had taken out copies of plans and specifications for bidding purposes in order to explain both the spirit and the intent of the provisions of the contract and to insure the complete and thorough understanding of the magnitude of the difficulties that might be encountered in this most heavily tourist-traffic area in San Francisco.

Bids were accepted and a contract award was made to the low bidder, Homer J. Olsen, Inc., in the amount of \$1,630,000, with the official starting date of July 17, 1974. The contract did not allow any work in the tourist area until September 24, 1974, between Powell and Polk Streets on either Beach or Jefferson. The contractor did begin work immediately on the cast-in-place sewer section between Embarcadero and Powell on Beach. However, during this initial start-up phase, the contractor proposed to the City Engineer that we substitute precast reinforced concrete sewer pipe of a size with sufficient hydraulic characteristics to carry the anticipated loads in lieu of the cast-in-place reinforced concrete box sewer. With the installation of precast pipe, proper coordination, and sufficient numbers of trained personnel employed, the contractor proposed that he could conclude the contract by May 24, 1975, in its entirety rather than May 24, 1976, the time allowed by the contract and agreed to by the Fisherman's Wharf Merchants Association. The City's detailed design analysis of this proposed substitution indicated it was indeed feasible as an alternate, and the Merchants Association was quite hearty in their concurrence with this shorter timetable, which would cut the contract time in half.

This contract was completed on June 2, 1975. The one-week delay in completion time from May 24, to June 2, 1975, was due to the fact that the Merchants Association had petitioned the City for a 1-week shutdown at Easter, which might be added back on to the contract after the May 24th shutdown period. The project resulted in the consolidation of 7 outmoded Bay sewer outfalls into one line, as well as the resurfacing and/or reconstruction of the street surfaces throughout the entire Fisherman's Wharf area, with the stipulation that these streets will not be reopened again by any agency, public or private, for 5 years.

Several additional outfall consolidation projects are anticipated in the near future, and it is hoped that the successful conclusion of this project in record time will be the harbinger of future successes around the balance of the Bay perimeter.

15. MARIPOSA FORCE MAIN RELINING

The City had an unprecedented problem of solving recurring breakdowns of a force main in Mariposa Street. These breakdowns were



Left: Mariposa Force Main is repaired with a polyethylene liner. The short installation trench needed minimizes disruption of vehicular and pedestrian traffic. Pulling the liner through the existing pipe is the quickest step in the whole installation.

the result of the wearing out of the force main from continuous abrasion of particles in the pumped flow.

A series of 20 failures occurred in the 22-year old cast iron pipe within a period of 13 months, which resulted in overflow of raw sewage into the Bay. The rocky subsurface made the cost of a new parallel line extremely expensive. Replacement of the existing force main along the same alignment was ruled out, because other sewers and utility facilities were crowded into the same trench carved out of the rock. Lining of the cast iron pipe with polyethylene pipe proved to be a quick and economical means of maintaining service through the line. A total of 2,730 L.F. of lining was done in one month's construction period using only 8 short trenches.

16. SEWER IMPROVEMENTS IN CONJUNCTION WITH MUNI RE-RAILING

As part of the Transit Improvement Program, the San Francisco Municipal Railway is in the process of re-railing the entire streetcar track system. In most instances where the streetcars travel over public streets, the sewers are located beneath the tracks. Access to these sewers is difficult; and in order not to disrupt transit service, most maintenance is performed at night, requiring added expense.

Extreme age, poor initial construction and materials, or excessive surface loading can cause sewers to deteriorate, undermining the

tracks and eventually resulting in collapse of the street. Sewers may also lack the capacity to contain and transport storm runoff, causing sewer backups flooding both to public and private property and related traffic problems.

In order to protect the City's investment in new track facilities, it was determined to make necessary sewer improvements at the time the tracks are removed for replacement. Hence, the sewer work will be included in the re-railing contracts. This procedure will also reduce public inconvenience by minimizing future street tear-ups for sewer repairs and enlargements.

Approximately 9 miles of sewer interior film strips, supplemented with TV tapes from the Television Inspection Unit, were reviewed to determine the location of necessary repairs. The extent of sewer deterioration determined the necessity of replacing the entire block. In addition to the structural evaluation, storm drainage studies were made to determine the hydraulic adequacy of the sewers and appropriate enlargements recommended. The results of the study indicated the following sewer improvements, which will be made in conjunction with the Municipal Railway re-railing contracts:

	<u>Length Feet</u>	<u>Project Cost</u>
Repair/Replacement	6,100	\$1,040,000
Enlargement	<u>3,000</u>	<u>540,000</u>
Total	9,100	\$1,580,000

Approximately 19 percent of the sewers investigated required replacement.

C. RECREATION AND PARK ENGINEERING

1. TELEGRAPH HILL BOULEVARD EMBANKMENT RESTORATION

The face of Telegraph Hill has undergone major changes since the days of the Gold Rush. Due to the nearness of the Hill to the wharves, quarrying of rock was performed to provide ballast for sailing ships. In 1867 further quarrying provided rock for the sea walls that were authorized by the Board of State Harbor Commissioners. Over the next 50 years, quarrying, including blasting, was performed in order to obtain rock for construction and to provide level lots near the wharves. During this era, many buildings were damaged or destroyed by the hazardous slide situation this created.

In 1971, over 50 years after the quarrying had been stopped, a slide occurred at Telegraph Hill Boulevard near the intersection

of Lombard and Kearny Streets. The 4-level apartment house at 266-268 Lombard Street was temporarily evacuated, and emergency slide repair work was started. A retaining wall was built on the east side of Telegraph Hill Boulevard, and several wells were drilled in order to pump out ground water and to relieve the slide-producing forces.

The emergency work was successful in stopping the slide, but further work remained in order to restore the area. The miniature park at the end of Lombard Street had been destroyed; and the granite monument honoring Guglielmo Marconi, the developer of wireless telegraphy, had been removed and placed in storage to prevent its loss from plunging to the street at the bottom of the cliff.

During the summer and fall of 1974, embankment restoration work was performed. In order to prevent erosion, the exposed dirt between the retaining wall and the top of the cliff was covered with gunite. Additional retaining walls with exposed aggregate finish were constructed and concrete sidewalks were built. On the west side of Telegraph Hill Boulevard, landscaping was planted and the Marconi Monument was restored in this setting.

The slide corrections and the landscaping restoration work was performed under three separate contracts starting in 1971. The final contract to be bid in the summer of 1975 includes the covering of the relatively level portions of the gunited surfaces with loam, planting, and a moisture sensor irrigation system. This system was specially designed to provide the required moisture for maintaining planting without the danger of overwatering, which would be detrimental to the stability of the gunite-supported loam.



Left: View of retaining wall and gunited slope along Telegraph Hill Boulevard. Above: Marconi Monument reinstalled in an attractive landscaped setting.

2. LAKE MERCED RECREATIONAL DEVELOPMENT

Lake Merced, located in the southwest corner of San Francisco, is one of the few and the largest of the natural lakes in the City. The Lake waters serve the citizens in a dual capacity; first, as an emergency drinking water supply and, secondly, but not in frequency of use, as a valuable recreational resource.

The Lake and surrounding land areas under the jurisdiction of the City provides (next to Golden Gate Park) the largest park-like setting in San Francisco and the greatest potential for further park development. Toward this end, a construction contract is nearing completion as of June, 1975, which converts a rough, heavily used parking area into a facility which provides parking; a system of paths down to the Lake with offset picnic tables; a final link in the chain of bike trails that now circumscribe the Lake; and generous planting to preserve the park-like setting.

Costing about \$40,000, this project is a relatively small part of previous and future improvements, but is significant because of its heavy use in a busy location, and, incidentally, not far from the site of the historic Senator Broderick-Judge Terry duel of 1859.

Right: Several paths were constructed, as well as other facilities, as part of the Lake Merced Recreation Development. Below: Benches, trash receptacles and landscaping were installed at the Marina Small Craft Harbor as part of a continuing program of improvement upon these facilities.



3. MARINA SMALL CRAFT HARBOR LANDSCAPING

In 1964 a major expansion of San Francisco's Marina Small Craft Harbor was initiated with a State loan in the amount of \$1.5 million. In subsequent years, improvements continued at the Harbor with a combination of State and Federal funds and harbor-generated revenue. For the years 1964 to 1975, all of such improvements concentrated on floats, breakwaters, seawalls, convenience stations, and other facilities related to the utilitarian aspect of the Harbor.

However, at the beginning of 1975, a construction contract was awarded that was the first of its kind for many years at the Harbor; this was a contract that concentrated principally on improvement of the aesthetic values of the land adjacent to the Harbor waters. The work included the intensive landscaping of City property north of Marina Boulevard and in the vicinity of Gas House Cove, which formerly was rough weed covered terrain. The design, in addition to providing for wide expanses of lawn, trees, and shrubs, also included attractive and practical recesses for refuse deposit and collection at regular intervals along the edges of the parking areas. Provision was also made for a bike trail that will provide a link through the Gas House Cove area for a bike trail along the City frontage from Fort Mason to Fort Point.

4. CHILDREN'S PLAY AREAS

The children's play areas designated for rehabilitation are located in Buena Vista Park, James Rolph, Folsom, and Jackson Square Playgrounds.

The children's play area at Buena Vista Park is located halfway up the northwest slope and can be reached from Haight Street or Buena Vista Avenue. This will be the first effort of restoration since the Park was built around the turn of the century. The work will include a whirl and contemporary swing designed for small children, which replaces a worn out swing and obsolete sandbox; a concrete play wall and pile structure for climbing, which takes advantage of the hilly site; and a slide and railroad-tie steps on a badly eroded slope, which also will do double-duty as an erosion control structure. Landscaping will be added to heal the scars caused by construction to blend the play area to the wooded site.

In contrast to Buena Vista, Folsom, and Rolph Playgrounds were on flat sites in the Mission District. The play equipment was as old and worn out as that of Buena Vista Park.

The children's area at Folsom is tucked away in one corner of an asphalt-covered playground. A baby swing and a complex pile structure, which affords various climbing experiences with pipe climbers, pile steps, slides, and a play house, allows an imagi-

native experience for a number of children at one time in a small space.

Rolph play area is an irregularly shaped linear piece of land left over after a ball field and tennis courts were constructed. The configuration of the site allowed for separation of the very small children from the more active groups. The small children were allotted a space in the middle of the area with play cubes, small swings, a space spinner, and tunnel maze away from the danger of adjoining streets. The small children's area is separated from the activity areas of the older children by a grove of four trees. The older children's areas contain swings, tire swings, a play structure with climber, rings, slides, and ladders which allow one play experience to lead to another. Planting around the perimeter of the area helps screen the adjacent property and creates a more inviting entrance.

Jackson Square, a large heavily used park, lies at the base of the northern slope of Potrero Hill. It differs from the above-mentioned rehabilitations in that a lighting system for the existing baseball field, tennis courts, and main path was in-



Above Left: Children enjoy the new play apparatus installed at Folsom Playground. Above Right: New play equipment was installed at Rolph Playground. Right: A slide and a sandbox were among the new apparatus installed in Buena Vista Park Playground.



stalled. The new play area is zoned into two areas for younger and older children with a wood play structure for climbing and sliding in various ways for each group. Tree planting softened the harshness of the existing fences and buildings, while enclosing the play area. Also additional seating was placed under the trees.

D. STREET BEAUTIFICATION

MARKET STREET BEAUTIFICATION PROGRESS

During the last year, the finishing touches were added to the recently widened brick sidewalks of Market Street. Three hundred more sycamore trees were planted to bring the total number of trees on Market Street to almost 600, with an additional 280 to be planted during 1975-76. The white boxes which protected foundations for street furniture began to disappear and were replaced by granite benches, street clocks, and bus stop shelters.



Above: Shoppers pause to rest on one of the 93 granite benches newly installed along Market Street as part of the beautification project.

Below: New vehicle and pedestrian signs and signals have been installed on Market Street. Right: Bus shelters and trash receptacles are also in place along the street.



New trash cans were delivered and placed on the street, and traffic signals were erected.

Construction of the new United Nations Plaza at Fulton and Market began in March, 1975. This one acre plaza will include planting areas of trees and grass in malls on Fulton and Leavenworth Streets. Plantings will include sycamores, holly oaks, and Lombardy poplars. The mall will be paved "wall-to-wall" with brick. Two 80-foot high flagpoles will fly flags of the United States and the United Nations. A fountain, which will complete the design, will be constructed at a later date.

Beautification work west of 8th Street is now nearing completion. Brick sidewalks and granite curbs have been constructed. Trees have been planted. The crosswalks are now being completed. Further west, beautification of the Church and Castro Street Station areas will begin next year (1975-76), with part of the work now being done by BARTD. Next year work will also begin on the last major sidewalk beautification contract, Contract 5, which covers the area in the vicinity of the Embarcadero Station at the foot of Market Street. Then, as soon as Municipal Railway streetcars begin operating underground, the surface tracks will be removed and the beautification work will be completed.

Below: An unusual timber and chainlink fence rockfall barrier was constructed on Sansome Street to correct a problem which has long troubled this area.



E. GENERAL ENGINEERING SERVICES

1. SANSOME STREET ROCKFALL BARRIER

Over the course of the past several years, that section of Telegraph Hill which fronts on Sansome Street between Union and Greenwich Streets has presented a continuous problem because of rock and debris slides. The steepness of the slope, and the continual weathering of the surface rock contributed to this problem. This culminated 2 years ago in a slide which severely damaged several automobiles parked at the base of the hill with debris ending up in a parking lot across Sansome Street.

The City thereupon undertook a study of several solutions to protect passing traffic and pedestrians from injury from this hazardous condition. The resulting solution constituted not so much a wall type retaining structure, but an airy, aesthetic rock, and debris barrier. The major components of this structure are:

- (a) A timber bulkhead wall, which acts as a final barrier for rolling rock; and

- (b) A zigzag chainlink fence erected 4 feet off the ground to halt and to ground airborne projectiles.

The structure was completed in May, 1975, with assistance from FAU funds. It is expected that this rockfall barrier will be the prototype solution for similar conditions all over the City.

2. NOISE INVESTIGATIONS OF TRANSIT COACHES

During fiscal year 1974-75, various Municipal Railway diesel coaches were tested for noise by this Department. Standard procedures were followed during the "pass-by" and "run-up" tests of the Society of Automotive Engineers (SAE) as prescribed by the California Highway Patrol and acoustical engineering practice.

All tests were conducted in the large Candlestick parking lot and Muni's test stand dynamometer. Surveys were conducted "in situ" on Muni's routes. During the SAE "pass-by" tests, the standard Muni diesel coach exceeded 88 dBA at 50 feet. The "run-up" tests on Muni's dynamometer test stand disclosed that the radiator fans, roof blowers, engine blocks, and exhaust mufflers to be the chief sources of noise emissions. Component noise levels ran as high as 117 dBA at 5 feet distant.

The Municipal Railway's shops reset governors and reduced engine speed 200 r.p.m., together with fluid drive (thermo-controlled) radiator fans, the new noise levels dropped to 79 dBA during the SAE "pass-by" tests. Noise levels of the above engine components dropped by 15 to 20 dBs.

Noise surveys on the Hoffman Street and Sacramento Street steep grades proved that the quieted coaches could mount the hills carrying maximum loads at significantly lower noise levels with only a sacrifice of a slight speed reduction.

The new and smaller V-6 diesel coaches were tested in the same manner at Candlestick Park and found to be comparable to the larger quieted V-8 coaches, except that the noise levels carried over to the higher speed frequencies before dropping off. Noise levels exceeding 80 dBA were read inside the new V-6 diesel coaches.

During the forthcoming fiscal year, this Department will continue to assist the Municipal Railway in quieting their vehicles. The quieting of steel rails embedded in concrete pavement and roadway structures is underway for Muni's fleet of streetcars and Light Rail Vehicles (LRV) on order.

3. PROGRESS OF AUXILIARY WATER SUPPLY SYSTEM (AWSS) BOND ISSUES

Fire Department bond issues approved by the voters in 1971 and

1974 provided \$4,771,000 and \$400,000, respectively, for currently proposed items in the long-term master plan for AWSS development. During the 1974-75 fiscal year, the following projects funded from the 1971 Bond Issue were under construction:

- (a) Diesel Drive Conversion for Saltwater Pumping Station No. 1, \$779,000.
- (b) Golden Gate Avenue, Pierce to Fillmore Streets, Main Extension, \$85,000.
- (c) Tylor Street near Beach to Bay and Powell Streets, Main Extension, \$133,000.
- (d) Fairfax, Newhall to Keith, \$88,000.
- (e) Keith Street, Fairfax to Evans Avenues, Main Extension, \$37,700.
- (f) Fire Department Pipe Yard Improvements at 2245 Jerrold Avenue, \$30,000.
- (g) Ductile Iron Fitting and Casting Purchase Contract, \$229,000.
- (h) Gate Valve Purchase Contract, \$128,000.
- (i) High-pressure Hydrant Purchase Contract, \$217,000.

By the end of the fiscal year, contract awards had been made for:

- (a) Diesel Drive Conversion for Saltwater Pumping Station No. 2, \$517,000.
- (b) Third Street, Mariposa to 4th, AWSS Extension, \$173,000.

This brings the total amount committed under contract since 1971 to \$3,145,000.

Design has been completed for the following contract:

- (a) Motorized Valves at Various Locations.

Design work has been in progress on the following projects, which are scheduled to be under construction during the 1975 fiscal year:

- (a) Sutter Street, Fillmore to Laguna, AWSS Extension.
- (b) Fulton Street, Fillmore to Gough, AWSS Extension.
- (c) Gough Street, Fulton to Grove, AWSS Extension.
- (d) Grove Street, Gough to Franklin, AWSS Extension.

- (e) Fourth Street, Berry to Third Street, AWSS Extension (funded under 1974 Bond Issue).

Previously planned AWSS extensions on Quint Street and Oakdale Avenue are being deferred until the areas involved in the proposed expansion of the City's SEWPCP have been determined.

F. SURVEYS AND MAPPING

THE SUBDIVISION CODE

The Subdivision Ordinance, which was mentioned in last year's report, was enacted into law. This Department, the Department of City Planning, and the City Attorney's Office combined their efforts in an attempt to draft legislation which would adequately and equitably address the problems of condominium conversion, currently the most prevalent form of subdivision in San Francisco, as well as all other aspects involved, including subdivision into 4 or less parcels which was covered by changes in the State Subdivision Map Act.

The resulting draft legislation was the subject of extensive public hearings by the Board of Supervisors to determine the concerns of the tenant groups, the real estate interests, and other affected parties.

Finally, despite the Mayor's veto because of questions on the constitutionality of certain provisions incorporated into the legislation, the Board of Supervisors overrode the Mayor's veto by a vote of 10 to 1 and enacted Ordinance No. 163-75, the Subdivision Code.

San Francisco at long last has a comprehensive plan which establishes procedures and requirements for the control and approval of subdivisions in San Francisco. The effects of this new law and its merits and shortcomings cannot yet be evaluated as it has been in effect only since May, 1975. It is hoped, however, that the Subdivision Code will resolve much of the controversy stirred up as a result of ill-conceived or badly implemented subdivisions in San Francisco.

A. DIVISION OF SURVEYS AND MAPPING

1. MAPS

a. Subdivision Map Act and Land Surveyors Act Activities:

Subdivision Maps Approved and Recorded-----	2
Condominium Maps Approved and Recorded-----	15
Parcel Maps Approved and Recorded-----	5
Record of Survey Maps Examined and Recorded-----	1

b. Street Actions:

Street Dedications-----	9
Street Vacations-----	22
Changes in Official Widths of Sidewalk-----	15

c. Survey Plots Prepared-----12

d. Drawings Prepared for Studies Pertaining to
Property, Street or Easement Actions-----41

2. SURVEYS

a. Number of Surveys----- 137

Public Assessment-----	6
Bureau of Engineering-----	116
Bureau of Architecture-----	10
Recreation and Park Department-----	4
Municipal Railway-----	1

b. Extent of Surveys:

Topographic Surveys-----	71.0 - Acres
Design Data-----	16.6 - Miles
Construction Layout-----	33.5 - Miles
Post-Construction Examination-----	2.8 - Miles
Earth Movement Observations-----	4.8 - Miles
Block, Site and Lot-----	20.6 - Miles
Monument Lines-----	60.2 - Miles
Precise Level Network-----	64.1 - Miles
Miscellaneous-----	13.4 - Miles

Monuments:

Frames and Covers Reset-----	42	- Each
Examined, Repaired, Referenced-----	304	- Each

Bench Marks:

Established, Checked - 671 Intersections

c. Number of Survey Parties----- 6

3. MISCELLANEOUS

Reports to City Attorney's Office-----	5
Investigations for and Reports to the Board of Supervisors Regarding Appeals from Decisions of City Planning Commission-----	7
Legal Descriptions for Deeds Prepared and Checked-----	84

B. DIVISION OF TRAFFIC ENGINEERING

1. PARKING METERS

New Installations----- 35

New Installations in Public Parking Lots-----	0
Removals-----	535
Installations-----	357
Relocations-----	56
Temporary Removals-----	240
Total Number in Place June 30, 1975 -	15,437

2. MISCELLANEOUS INVESTIGATIONS

Written Reports to San Francisco Parking Authority-----	9
Parking Checks-----	9
Advisory Appearance and Conferences with San Francisco Parking Authority-----	15
Formal STOP and YIELD Sign Investigations-----	151
Formal Parking Control Investigations-----	120
Formal Traffic Signal Investigations-----	90
Other Formal Investigations-----	496
Auto Parking Station or Garage Permits-----	60
Miscellaneous Parking Checks-----	55

3. PAVEMENT PAINTING

Standard Striping, Miles-----	390
12-inch Stripes, Feet (Crosswalks)-----	562,264
12-inch Yellow Stripes, Feet (School Crosswalks)-----	187,845
Bus Zones, Feet-----	117,900
Parking Stalls (All Types)-----	6,506
New School Intersections-----	1
Total School Intersections in Place June 30, 1975-----	960
Pounds of Reflective Beads Used-----	52,000
8-inch Stripes, Feet-----	104,670
Spotting and Removing, Miles-----	65

4. TRAFFIC AND STREET NAME SIGNS

a. Traffic Signs	Completed 1974-75
Parking Signs Installed-----	465
Parking Signs Repaired or Changed-----	1,258
Parking Signs Removed-----	485
Other Signs Installed-----	1,419
Other Signs Repaired or Changed-----	2,016
Other Signs Removed-----	906
STOP Signs Installed-----	373
STOP Signs Repaired or Changed-----	845
STOP Signs Removed-----	59
	TOTAL 7,426
Special Signs Made by City Forces-----	3,911
Estimated Approximate Cost 1974-75-----	\$75,750
Estimated Total Number in Place June 30, 1975-----	45,034

b. Street Name Signs

Street Signs Repaired or Changed-----	702
Street Signs Installed-----	7
Street Signs Removed-----	9
	TOTAL 718
Estimated Approximate Cost 1974-75-----	\$37,300
Estimated Total Number in Place June 30, 1975-----	5,842

5. TRAFFIC LEGISLATION

	Completed 1974-75	Deleted 1974-75	Number In Place 6-30-75
STOP Intersections	163	2	2,775
Through Streets, Miles	7.3	0	114
One-Way Streets, Miles	1.44	0.59	95.3

Speed Zones (other than 25)	0	0	69.7
Turn Restrictions (24 Hours)	14	0	
Turn Restrictions (Peak Hours)	1	0	
Tow Away, Block Faces	24	4	
Time Limit Block Faces	49	32	
Angle Parking, Block Faces	15	2	
Other Turn Controls	19	2	
No Parking Any Time, Block Faces	20	1	
Items Discussed at ISCOTT	957		
Items Having Department Public Hearing	124		
Items to Board of Supervisors for Action	142		
Items Amending Traffic Code	5		

6. TRAFFIC SIGNALS AND CHANNELIZATION	Completed <u>1974-75</u>	Number In Place <u>6-30-75</u>
1. Channelized Intersections:		
Concrete Islands	5	294
Raised Pavement Bars	9	89
TOTAL	14	383
2. Signalized Intersections:		
3-Light Installations	15	863
Equipped with Pedestrian Signals	16	327
Actuated Signals	5	201
School Flashing Signals	1	11
3. Pedestrian Overpasses (over City Streets)	1	23

C. DIVISION OF STREETS AND HIGHWAYS

1. CLAIMS ACTIVITY

The Department of Public Works, through legal representation by the City Attorney, disposed of 113 claim actions filed against the City for personal injury or property damage resulting from street or sidewalk use.

Of the 113 claim actions completed, the City won or dismissed 25 cases; and in 88 cases, the City paid \$1,051,720.09 out of \$5,360,835.00 through judgments or settlements sought by the claimants.

The 113 cases above represent a small portion of those requiring investigation by the Street Inspection forces during the fiscal period. The total number of registered claims investigated were 463.

In addition to claims investigation, the Department assists the City Attorney's Office in preparation of defense actions through consultation, giving depositions, preparing answers to interrogatories, and making court appearances as City witnesses.

SUMMARY	<u>1974-75</u>	<u>Previous Year 1973-74</u>
Number of Cases Disposed of	113	103
Judgments Paid	1	3
Litigated Settlements	47	76
Settlements at Claim Stage	40	Unknown
Won or Dismissed	25	24
Amount of Claims in Cases Disposed	\$5,360,835	\$12,131,155
Amount Paid in Settlements and Judgments	\$1,051,720.09	\$933,857.97
Registered Claims Investigated	463	500

PERSONNEL AT BEGINNING AND END OF FISCAL YEAR

<u>DIVISION</u>	<u>July 1, 1974</u>	<u>June 30, 1975</u>	<u>Change</u>
Administration	5	4	-1
General Engineering	126	104	-22
Recreation & Park Engineering	11	16	+5
Streets and Highways	38	39	+1
Sanitary Engineering	78	110	+32
Surveys and Mapping	32	32	0
Construction	44	42	-2
Traffic Engineering	32	35	+3
Transit Task Force	<u>3</u>	<u>3</u>	<u>0</u>
	<u>369</u>	<u>385</u>	<u>+16</u>

Employees in Professional Classification 179

Employees in Technical Classification 144

Employees in Clerical 62

PAYROLL

The following tabulation shows the number of employees and total payroll charged to General, Project, and Road Funds:

<u>SOURCE OF PAYROLL FUNDS</u>	<u>EMPLOYEES 1974-75</u>	<u>PAYROLL 1974-75</u>
General Fund (Budget Payroll)	74	\$1,255,256
Project Funds (Gas Tax, Bond, General, etc.)	279	3,264,532
Road Fund-Traffic Engineering	<u>32</u>	<u>422,420</u>
TOTAL	<u>385</u>	<u>\$4,962,210</u>

RETIREMENTS

During the past year, the following employees were retired and recognition is given for their faithful service to the Bureau:

C. EINAR NELSON	8.24.74	6230 Street Inspector	10 yrs
WILLIAM R. DALY	10. 1.74	5366 Engineering Assoc II	37½ yrs
WESLEY C. EWING	10. 1.74	5210 Sr Civil Engineer	24½ yrs
MARIAN CHAQUETTE	3. 1.75	1406 Sr Clerk	7 yrs
LORY B. MATOLINI	3. 1.75	5254 Assoc Mech Engineer	25 yrs
HARRY DONG	4. 5.75	5354 Elec Engr Assoc I	24 yrs

BUREAU OF ENGINEERING

SUPERVISORY PERSONNEL

As of June 30, 1975

Robert C. Levy, City Engineer
John E. Cribbs, Assistant to City Engineer

DIVISION & SECTION

PERSON IN CHARGE

STREETS & HIGHWAYS

Highways
St. Improvement & Reconstr.
Street Inspection

L. T. Tom, Engineer
G. M. Wong, Associate Engineer
Everett Hintze, Assoc. Engineer
T. A. Pedersen, Street Supt.

RECREATION & PARK ENGINEERING

Engineering
Landscaping

D. Martin, Sr. Engineer
W. H. Person, Engineer
H. C. Schmidt, Sr. Landscape Architect

GENERAL ENGINEERING SERVICES

Administration
Office Management
Steno Pool
Utilities & Special Services
Contract Preparation
Structural
Mechanical
Electrical

W. J. Scruggs, Sr. Engineer
H. G. Louie, Admin. Engineer
J. Jelincich, Engineering Asst.
Elsie Kesler, Sr. Clerk Typist
H. H. Beneke, Assoc. Engineer
C. T. Jensen, Engineer
G. T. Jeong, Sr. Engineer
C. J. Brady, Sr. Engineer
A. E. Tanner, Sr. Engineer

SANITARY ENGINEERING

Wastewater Treatment
Mechanical Engineering
Sewer System
Wet Weather Control
Administration
Industrial Waste
Grants
Special Assignments

A. O. Friedland, Principal Engineer
L. A. Vagadori, Sr. Engineer
A. J. Rando, Sr. Engineer
J. Delacruz, Assoc. Engineer
T. F. Landers, Sr. Engineer
A. Brandow, Assoc. Engineer
J. M. Barron, Sr. Engineer
H. L. Alcalde, Assoc. Engineer
W. R. Giessner, Sr. Engineer

SURVEYS & MAPPING

Administration, Records, &
Office
Field Surveys

George O. Woo, Sr. Engineer
J. Pelayo, Assoc. Engineer
W. Gee, Chief Surveyor

CONSTRUCTION MANAGEMENT

Contract Management
Testing

T. J. Ford, Jr., Sr. Engineer
P. T. Meagher, Assoc. Engineer
E. W. Pearson, Engineer

CONTRACT ADMINISTRATION

J. S. Barrett, Engineer

TRAFFIC ENGINEERING

Design
Planning
Operations

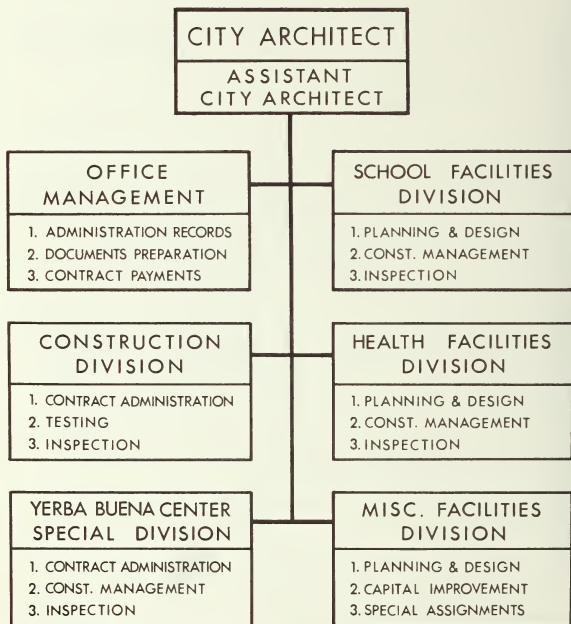
W. Marconi, Sr. Traffic Engineer
G. R. Hansen, Traffic Engineer
R. J. Evans, Traffic Engineer
N. E. Bray, Traffic Engineer

BUREAU OF ARCHITECTURE

DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

JUNE 30, 1975



BUREAU OF ARCHITECTURE

Hugh W. Hiatt, City Architect

The Bureau of Architecture supervises the design and construction of new public buildings, and the modernization and alteration of existing public buildings, under plans duly approved by the various City, State and Federal departments which are involved.

Once the need for a building project is established, the Bureau assists the requesting City Department in the preparation of a basic program and the acquisition of a building site. The program consists of general information relative to the activities and services to be performed in the building, the number and type of employees who will be housed in the building, the number of public to be served, and related data. The Bureau then prepares sketches, specifications, and estimates of cost, and when funds are available, prepares, or supervises the preparation of the schematic, preliminary and final drawings, specifications, and estimates. Upon approval of the final documents, bids are requested by advertisement in the official newspaper, opened in public, reviewed and analyzed, and recommendations are prepared for award of construction contract. After award and certification of the contract, Bureau personnel inspect the construction as it develops, certify monthly progress payments, verify that it has been properly constructed in conformance with the plans and specifications, and initiate the final payment to the contractor. The work which was being processed in the Bureau as of July 1, 1975, was as follows:

1. Plans and Specifications Stage (Estimate)	\$ 37,000,000.00
2. Work Under Construction (145 Jobs)	<u>89,307,058.00</u>
TOTAL	\$126,307,058.00

ORGANIZATION

The organization of the Bureau is broken down into six separate divisions: Office Management, School Facilities Division, Health Facilities Division, Miscellaneous Facilities Division, Yerba Buena Center - Special Division, and Construction Division.

OFFICE MANAGEMENT

I. Administration Records

This section is responsible for personnel matters, all incoming and outgoing correspondence, dispensing information to contractors and architects, the operation of the Bureau's main counter, requisitioning supplies, equipment and related work.

II. Documents Preparation

This section is responsible for the assembly and issuance of the contract documents to contractors, the filing of tracings, blueprints, and specifications, and related work.

III. Contract Payments

This section is responsible for the preparation of documents authorizing payments for work performed by contractors and consultants.

SCHOOL FACILITIES DIVISION

This division is responsible for all of the design and construction work for the San Francisco Unified School District. This work is divided into three major categories: (I) District Funds, (II) Field Act Earthquake Resistant Construction, and (III) San Francisco Community College Design Section.

I. DISTRICT FUNDS \$2,906,163.61

Construction was completed and the New George Washington Carver School (Hunters Point South) was occupied on December 9, 1974.

II. FIELD ACT FUNDS

Field Act Funds were obtained by the District from several sources, as follows:

1973 Bond Issue	\$37,826,000.00
Tax Override	23,933,000.00
State Matching Loans & Others	<u>23,751,000.00</u>

TOTAL	\$85,510,000.00
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A structural survey was made in 1970 of existing school buildings which were constructed prior to 1934. As a result of this survey, 62 schools were determined to be "unsafe" and therefore, not usable for school purposes after June 30, 1975. A program was subsequently started to design and reconstruct these 62 schools. The Board of Education approved a tax override which provided approximately \$4,000,000 a year to start the preparation of plans and to reconstruct several small schools and to eliminate the most obvious falling hazards; and also to construct new portables where existing schools were demolished.

The "unsafe" schools which comprise this program and their status as of June 30, 1975, are as follows:

Construction Completed

- | | |
|-----------------------------|-------------------------------|
| 1. Alamo | 10. Horace Mann Academic |
| 2. Alvarado | 11. LeConte |
| 3. Lafayette | 12. Marshall Annex |
| 4. Sanchez | 13. Paul Revere Annex |
| 5. Sheridan | 14. Winfield Scott |
| 6. Commodore Stockton Annex | 15. James Lick Jr. High |
| 7. Treasure Island | 16. Aptos Gym & Shops |
| 8. Francisco Academic | 17. Galileo - West Wing & Gym |
| 9. Aptos Academic | 18. Mission High - West Wing |



Above: George Washington Carver School under construction at Hunters Point.

Under Construction

- | | |
|--------------------|---------------------------------------|
| 1. Daniel Webster | 9. Everett Jr. High |
| 2. E. R. Taylor | 10. Presidio Jr. High |
| 3. Edison | 11. Balboa Academic I & Gym |
| 4. Hawthorne | 12. Galileo - East Wing |
| 5. John Muir | 13. Dudley Stone |
| 6. Mission Staging | 14. Horace Mann Auditorium - Phase II |
| 7. Raphael Weill | 15. Horace Mann Gym - Phase III |
| 8. West Portal | 16. Mission High - East Wing* |

*Original bids rejected. Will be re-bid September 1975.

Design Underway

- | | |
|--------------------|---------------------------------------|
| 1. Andrew Jackson | 12. Sherman |
| 2. Commodore Sloat | 13. Sunnyside |
| 3. Emerson | 14. Sutro |
| 4. Frank McCoppin | 15. Yerba Buena |
| 5. Geary | 16. Francisco Jr. High - Gym |
| 6. George Peabody | 17. Roosevelt Jr. High |
| 7. Guadalupe | 18. Balboa Academic - Phases II & III |
| 8. Junipero Serra | 19. Pre-1933 Portable Bungalows |
| 9. Marshall | 20. Mission Education Center |
| 10. McKinley | 21. Chinese Education Center |
| 11. Monroe | 22. Filipino Bilingual Center |

To Be Assigned

- | | |
|-------------------------|---------------------|
| 1. Bryant | 4. Parkside |
| 2. Jefferson Auditorium | 5. San Miguel |
| 3. Madison | 6. Portola Jr. High |

III. SAN FRANCISCO COMMUNITY COLLEGE DISTRICT

This section is responsible for all planning and design for the San Francisco Community College District which includes all new construction as well as alterations, additions and maintenance and repair projects.

A. Projects Completed

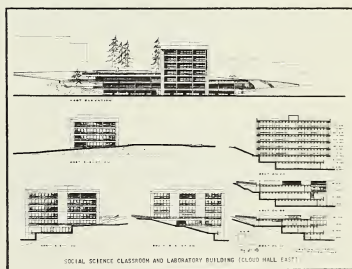
1. The relocation of portable buildings to permit the general construction of the New Social Science Classroom and Laboratory Building (Cloud Hall East). This project was completed and accepted in June 1975.
2. The Interim Student Health Project was completed and accepted in July 1974.

B. Projects Under Construction

1. The Science Building Alteration and Remodeling Project commenced in June 1973, is estimated to be completed in September 1975.
2. The Radiologic Technology Laboratory Relocation and Alteration Project commenced in June 1974, is estimated to be completed in August 1975.
3. The Social Science Classroom and Laboratory Building (Cloud Hall East), a six and three quarter million dollar project commenced in October of 1974 is estimated to be completed in October 1976.

C. Project Pending Construction

1. Construction bids for the Downtown Community College Education Center were received in May 1975 and a construction contract was awarded in an amount slightly under seven million dollars; construction is anticipated to commence in August 1975 with completion scheduled for April 1977.



Above Right: Drawing of Cloud Hall East, a new social science classroom and laboratory building to be constructed at City College. Left: Two of the laboratories which were rehabilitated as part of the Science Building remodeling at City College.

2. Construction bids for the Nursing/Allied Health Learning Center were received in June 1975 and a construction contract was awarded in an amount slightly under forty thousand dollars; construction is scheduled to commence in August 1975 with completion scheduled for November 1975.

D. Projects in Design Stage

1. The International Airport School Facility, a six hundred thousand dollar project is presently being checked by the State of California, Office of Architecture and Construction. This facility will be constructed by the Flying Tiger Airlines, Inc., for use by the Community College District. The Bureau of Architecture will be responsible for construction management and administration. Construction is anticipated to commence in late summer 1975 with completion scheduled for late spring 1976.
2. The Addition to Men's Gymnasium, a thirty thousand dollar project, is presently being checked by the State of California, Office of Architecture and Construction, and is anticipated to commence in late summer 1975 with completion scheduled for early spring 1976.

HEALTH FACILITIES DIVISION

During the fiscal year 1974-1975, the Health Facilities Division was primarily engaged in preparing plans, specifications and estimates, inspection and contract administration for the Alteration and Modernization of Health Department Buildings.

In addition, this division also provided contract administration and inspection for the New San Francisco Medical Center Project.

I. SAN FRANCISCO MEDICAL CENTER PROJECT

San Francisco Medical Center Bond Issue	\$33,670,000.00
State and Federal Subventions	<u>5,865,697.00</u>

Total Project Funds	\$39,535,697.00
---------------------	-----------------

A. <u>Hospital Building</u>	\$28,769,000.00
-----------------------------	-----------------

Contract was awarded June 9, 1971.

Construction started July 26, 1972 and is approximately 95% completed.

The Hospital Building is a seven-story reinforced concrete structure with a gross finished floor area of 635,000 square feet and will provide 584 beds for medical, surgical and psychiatric patients with comprehensive ancillary facilities and services.

1. Additions and Modifications

a. Modification of Psychiatric Units \$160,000.00

This work is in the planning and design stage. It will convert the northeast psychiatric nursing unit on the seventh floor to a locked holding unit for psychiatric patients who are imprisoned, awaiting disposition of their cases in Court. Changes will also be made to interior finishes, locks and alarm systems of two additional psychiatric units to provide a greater degree of protection for patients, personnel and building facilities.

b. Prisoner Ward \$720,000.00

Schematic drawings have been completed for the finishing of the shelled southwest wing on the seventh floor to provide a jail unit for the medical care of prisoners.

II. HUNTERS' POINT-BAYVIEW AMBULATORY HEALTH CARE CENTER \$1,523,000.00

This work is in the schematic planning and design stage. It will provide health care services for the Hunters' Point-Bayview District. The building will be a wood frame and concrete block, one-story structure with approximately 10,000 square feet of floor area.

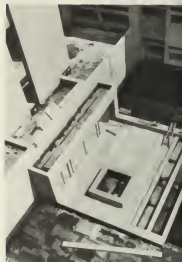
III. ALTERATION AND MODERNIZATION PROJECTS

A. San Francisco General Hospital

1. Chemistry - Toxicology Laboratory \$540,000.00

This project is in the preliminary design stage. It will provide a permanent location on the fifth floor of Building No. 30 for the Public Health Chemistry-Toxicology Laboratory to perform their general chemical and toxicological analysis in connection with public health problems. Present temporary quarters for this laboratory is scheduled

Three views of the San Francisco Medical Center Expansion. Above Right: Dishwashing equipment being installed in the kitchen area. Below Right: The West Side Courtyard under construction. Below Left: Workmen install tile in the Main Lobby.



for demolition.

2. Alterations to Department of Anesthesia \$ 8,270.00

This work provided a laboratory and office for the Anesthesia Department on the second floor of Building No. 1. It included the installation of windows, casework, flooring, painting, electrical and plumbing work. Work was completed February 1975.

3. Enclose Main Stairs-Building 90 \$ 11,720.00

This work included the installation of smoke detection devices, and a partition with door on each floor which will enclose the main stairs from the occupied areas of the building. Work is 90% completed.

B. Laguna Honda Hospital

1. Automatic Fire Sprinklers - Buildings K and M to Storage Spaces \$ 6,945.00

The automatic fire sprinkler system was extended to areas of the ground floor of Building K. Work was completed November 1974.

2. Hot Water Controls \$25,665.00

This project includes the installation of thermostatic controls for reducing the tempered water from the present 140° to 120° for patient use in ward lavatories. This work is required by the State Department of Public Health. Completion is scheduled for September 1975.

3. Modernization of Laundry Facilities \$141,000.00

This project is in the preliminary planning and design stage. It will include the installation of a new tumbler and lint filter, a new extractor and relocation of an existing tumbler with their mechanical and electrical connections.

C. Central Emergency Hospital

1. Miscellaneous Alterations \$ 5,070.00

This work includes demolition, partitions, doors, painting and related electrical work for an examining and waiting room. Project completed October 1974.

2. Communication Center \$38,000.00

Alterations will be made on the first floor to provide a communication center for monitoring of all emergency calls and the dispatching of ambulances. This center will also serve as a poison control center. The work will include remodeling the existing overflow ward by installation of a raised floor, furred ceiling, painting, electrical and mechanical work. Completion is scheduled for December 1975.

3. Sexual Assault Treatment Center \$ 7,000.00

This work located on the first floor will provide a confidential space for interview of sexual assault victims. The work will include furring a ceiling, partitioning, shelving, painting, a new shower, electric and mechanical work. Completion is scheduled for December 1975.

D. Mental Health Services

1. Administrative Offices for Community
Mental Health Services - \$83,453.00
555 Polk Street

This project was required to consolidate the administrative offices of the Community Mental Health Services. It included partitions, lighting, casework, painting and heating system alterations to a leased building. Work was completed September 1974.

2. Mental Health Services Unit - \$65,000.00
298 Monterey Boulevard

The work included partitions, roofing, painting, electrical, plumbing and heating alterations to a leased building. Project was completed January 1975.

3. Bayview Mental Health Center - \$68,000.00
4190 Mission Street

This work will remodel a leased building and will include partitions, doors, casework, painting, mechanical, electrical and plumbing work. Completion is scheduled for December 1975.

MISCELLANEOUS FACILITIES DIVISION

This division is responsible for preparation of the Bureau's Annual Capital Improvement Budget data sheets and provides most of the architectural services for Public Works projects other than those for Public Health and School Departments. Work for various City departments was performed as follows:

I. FIRE DEPARTMENT

- A. Fire Department Bond Issues \$4,953,450.00

1964 Bond Issue

1952 Bond Issue

Present status of Bond Program is as follows:

1. Completed 100% \$3,881,168.00

- (1) Headquarters Building \$1,153,117
- (2) Engine Co. No. 28 246,796
- (3) Engine Co. No. 26 300,607
- (Old No. 7)

(4)	Engine Co. No. 1 (Old No. 17)	477,512
(5)	Engine Co. No. 43	396,426
(6)	Engine Co. No. 31 (Old No. 460)	74,139
(7)	Engine Co. No. 14 (Old No. 36)	344,573
(8)	Engine Co. No. 9 (Old No. 37)	559,298
(9)	Engine Co. No. 33	303,261
(10)	Memorial Plaque (Headquarters Bldg.)	10,871
(11)	Engine Co. No. 2	3,664
(12)	Engine Co. No. 16	10,904

2. Under Construction

Engine Co. No. 3 - 75% Complete \$ 600,000.00

3. Preliminary Study Phase

Engine Co. No. 4 (Old No. 8)

(Will be funded from balance of 1974 Bond Fund
+ \$275,000 and + \$225,000 from the 1974 Bond Fund).

4. Funds Unencumbered \$ 10,384.00
(from completed jobs)



Above: Work is now complete on a new station for Engine Co. No. 1, at a cost of \$477,512.



Above: Work goes on for Engine Co. No. 3 at 1067 Post Street.

5. Funds Unencumbered (from jobs not completed)	\$ 43,478.00
6. Office Management and Misc. Fees	\$ 100,000.00
7. Contingencies	\$ 43,420.00
TOTAL	\$4,953,450.00

B. Fire Department - General

1. Firehouse for Engine Co. No. 13 (Old No. 1), corner of Sansome and Washington Streets. Site work under way in July 1974. This house is being completed at no cost to the City to replace the house on Drumm Street, which has been demolished to make way for the expanding Embarcadero Center. New building will be occupied in August 1975.

99% Complete Cost of Construction \$1,100,000.00

2. Alterations and Renovation to Central \$ 400,000.00
Fire Alarm Station - (Contract Awarded)

C. 1974 Fire House Bond Fund \$2,200,000.00

Plans Underway

- (a) Headquarters Bldg. - Additions
to 4th Floor \$ 200,000.00
- (b) Engine #42 - Replace existing 400,000.00
- (c) Engine #40 - Alterations & Repairs 70,000.00
- (d) Engine #4 (Plus \$275,000 from
previous bond funds) 225,000.00

II. SHERIFF

The Sheriff has a continuing program of bringing the jail facilities up to State required standards. In addition to the State Department of Corrections, there is the State Fire Marshal's orders to provide life safety systems in these buildings. The projects currently under way are as follows:

A. Men's Showers - San Francisco County Jail #2 \$ 133,000.00

New shower areas were added on floors two through six to both the North and South Tiers of cell blocks. Each of these shower rooms is lined with ceramic tile on walls and floor. Each shower area contains a stainless steel shower assembly with six security type shower heads.

Water temperature is pre-set by thermostatic control at each bank of showers for safety. A fan in each room removes excessive steam and insures air movement. A tamper proof recessed light provides illumination.

A rated wall with fire doors and a smoke detection system was included with work at the request of the State Fire Marshal.

B. Kitchen Renovations - San Francisco County \$ 180,000.00
Jail #2

A contract has been awarded and work is now under way in the kitchen at Jail #2, the work in general includes the following:

General refurbishing of kitchen, new equipment, garbage compacter, new refrigeration and new loading dock to replace the old dock in the north wing which will be closed to accommodate the education facility now being constructed.

C. Dental Facility - San Francisco County \$32,000.00
Jail #2

A new Dental Facility was installed which provides four dental chairs with their attendant requirements. An X-ray developing and setup room adjoins the dental clinic, which includes sink, cabinets, drawers, and dental tray shelves.

D. Educational Facilities - 80% Complete \$134,000.00

The work in general includes:

Remodeling of existing North Wing, and moving storage to garage area. The new facility, requested by the Sheriff, will help rehabilitate inmates with help of VISTA personnel and will provide: 5 classrooms, Library, Typing Room, Arts and Crafts Room, and Teacher preparation area.

E. Laundry Renewal \$ 11,000.00

Old laundry equipment in Jails #1, #2, and #4 is being replaced with new more efficient units.

F. Fire Marshal's Requirements - General

Plans are being completed for smoke towers and exit facilities for jails #2 and #4 at San Bruno. Design provides for security alarms when exit doors are activated and a wire enclosure to secure inmates on the grounds after exiting.

III. POLICE DEPARTMENT

The reorganization of certain Bureaus and the continuing program of providing security to police facilities constituted the main projects for the department.

- A. Security Traffic Control - (99% Complete) \$43,000.00
Hall of Justice - Phases I & II

Installation of gates, roll-up doors, closed circuit TV system and intercom for security and to control vehicular traffic entering and leaving the Hall of Justice.

- B. Alterations to Rm. 459, Hall of Justice \$36,000.00
for the "911" Project (75% Complete)

While funding for the emergency telephone No. 911 has not been obtained, the department is expanding the communications area to accommodate this vital function. The work includes removal of partition to expand room and installation of security control equipment.

- C. Alterations to Rm. 565, Hall of Justice, \$30,000.00
Internal Affairs Bureau (95% Complete)

Installation of interview rooms, office cubicles, integrated ceiling and miscellaneous work.

- D. Richmond Police Station \$41,000.00

Miscellaneous alteration work and installation of closed circuit TV and security items.

- E. S.F.P.D. Pistol Range \$38,000.00

Installation of fencing, intrusion alarm and alarm transmission system.

- F. Equipment Shelter, Southeast Station \$ 5,000.00

IV. RECREATION - PARK DEPARTMENT

The work for this department consisted of plans and construction for new facilities and alterations to old facilities.

- A. Plans in Progress

1. Chinese Playground Recreation Building. This project has been thoroughly infused with community input. It has now into working drawings and will be advertised in August. Estimated cost: \$290,000.00.

2. Martin Luther King Pool Enclosure-Bayview Park.
Plans and specifications are in final stage. Will be advertised for bids in early September. Estimated cost: \$500,000.00.
3. Sharon Building - Golden Gate Park
Damaged by fire in the Spring of 1974, the building has been unusable and a hazardous place for curious children. Architects have completed plans for Phase I which will renew the roof and secure the building. Estimated cost of Phase I: \$65,000.00.
4. Marina Small Craft Harbor Toilet Facility
Estimate: \$80,000.00.
5. Mission Pool and Playground Fieldhouse
Renovations and repairs; construction - 90% completed.
Cost: \$130,000.00.
6. Joseph Lee Recreation Center
This facility in the heart of the Bayview-Hunters Point District receives heavy use by the community. The project, now 95% complete, restores to near new condition a vital community facility. Cost of Phases I and II - \$250,000.00.



Left: Drawing of the Chinatown Recreation Center. Above: Sharon Building, damaged by fire in 1974, will undergo phase I reconstruction.

Right: S. F. Zoo Animal Hospital is now complete and in full operation. Below: Drawing of the Martin Luther King Pool Enclosure to be constructed during the coming fiscal year.



7. San Francisco Zoological Gardens

Animal hospital was completed and is now in full operation. \$450,000.00.

V. SUPERIOR AND MUNICIPAL COURTS \$10,250.00

Hall of Justice - Installation of an integrated alarm system in all court rooms and Judges chambers including miscellaneous alterations for security purposes.

VI. PURCHASER

New twin post hoists for work on large fire trucks. \$30,000.00.

VII. YOUTH GUIDANCE CENTER - JUVENILE COURT

A. Renovation Cottage G2	\$36,000.00
B. Renovation Cottage B2	\$46,000.00
C. Log Cabin Ranch Exhaust System	\$ 5,000.00

VIII. WAR MEMORIAL BUILDINGS - Completed Work

A. New Ticket Office, Opera House	\$14,000.00
B. Flooring, Opera House	\$ 1,500.00
C. Freight Elevators, Veterans Building, Safety Code Measures	\$10,400.00

IX. FINE ARTS MUSEUMS

A. Security and Fire Detection Systems - DeYoung Museum, Golden Gate Park and Legion of Honor, Lincoln Park	\$80,000.00
B. Skylight Reconstruction, DeYoung Museum	\$18,000.00

X. LIBRARIES - Completed Work

A. Richmond Branch - Painting	\$ 6,500.00
B. Mission Branch - Renovation Work	\$26,000.00
C. Chinatown Branch - Renovation Work	\$25,000.00
D. New Print Shop - Main Library	\$17,000.00

XI. CONTROLLER

Electronic Data Processing Division - City Hall ground floor security and protective measures. Plans and specifications are complete and bids will be requested in August. \$90,000.00.

XII. FINANCE AND RECORDS

Alterations to County Clerk's Office, Rm. 317, City Hall. \$35,000.00.

XIII. MAYOR'S OFFICE

Public Information Office, Main Floor, City Hall, was completed and occupied. The exhibit room now presents a continuing show of San Francisco memorabilia. \$70,000.00.

XIV. DEPARTMENT OF SOCIAL SERVICES
ADMINISTRATION BUILDING

\$7,000,000.00

This building will be located at 170 Otis Street, adjacent to the present building, 150 Otis Street. This will tend to centralize the departmental activities, which are now



scattered throughout the City.

The new building will provide office space of 125,000 sq. ft. area and will house 800 Social Services employees, space for interviews and meetings, parking for 95 cars in the basement, and a Commission Meeting Room. Plans and specifications have been completed. Construction will be started before January 1976.

XV. RESTORATION OF THE OLD SOUTH SAN FRANCISCO
OPERA HOUSE

\$600,000.00

The City and County of San Francisco has obtained Federal funds for the restoration of the South San Francisco Opera House as a landmark. This structure, which was built along with a Masonic Hall in 1888, is located at 1601 Newcomb Avenue at Third Street. The City has acquired the whole block bounded by Newcomb, Mendell, Oakdale and Third Streets. In addition to the restoration, it is anticipated that the remaining portion of the block and adjoining Mendell Street will be developed as a park or urban plaza. The restored building will be used by residents of the Bayview-Hunters Point areas as a center for community activities. Construction is 50% complete.

XVI. OTHER PROJECTS

The Division acted as Architect Consultant for the Bureau of Engineering on the following projects:

- A. Channel Pump Station. The Architectural design was brought through the three phases of Art Commission approval.



Far Left: A Public Information Office was constructed on the main floor of City Hall. Left Center: Reconstruction work has begun on the Old South San Francisco Opera House. Left: Drawing of the public facilities proposed for the Yerba Buena Center Project.

- B. Geary Boulevard Underpass. The Architectural design approval by Art Commission was obtained. Project now complete.
- C. Painting Projects at Southeast, and Northpoint treatment facilities were completed.
- D. Baker Street outflow facility; survey and specifications for correction of problems with slate tile decking.

XVII. MISCELLANEOUS STUDIES

- A. Fire Department 1974 Bond Issue - Scope of Work Study

The bond issue was favorably voted on in the November, 1974 election. The sum of \$2,200,000 is earmarked for Firehouse building and reconstruction.

- B. Police Department - Study for Bond Issue to renew District stations. The proposed program, estimated to cost \$19,000,000 was postponed by the Board of Supervisors.

- C. Art Commission

Feasibility study for purchase and renovation of Haight Theatre and adjoining property. Project was abandoned due to excessive costs.

- D. Francis Scott Key Monument Re-erection

This famous monument was dismantled to make way for expansion to the Academy of Sciences. It is proposed

to re-erect it in the Band Concourse, Golden Gate Park, in time for the Bicentennial celebration. Drawings are complete; project awaiting funding.

E. St. Francis of the Guns

This statue by Benjamino Bufano was commissioned to commemorate the voluntary turning-in of hundreds of hand guns by the citizens of San Francisco. It is proposed to erect this work at Yacht Harbor in time for the Bicentennial celebration. Preliminary design complete. Project awaiting approvals and funding.

F. City Hall Masonry Restoration and Skylight Alterations

A study and estimate was prepared and supplemental funds were appropriated in the amount of \$407,000. The first phase of this project will be advertised for bids in August 1975.

YERBA BUENA CENTER - SPECIAL DIVISION

The Yerba Buena Center, Public Facilities, consisting of the Underground Garage, the Exhibit Hall, the Central Powe Plant and the Public Open Areas was advertised for bids on December 2, 1974. During the bidding period 229 contractors, subcontractors, and material suppliers received bidding documents. Bids were received and opened on February 19, 1975. The low bid received was in the amount of \$162,887,000.00 and a conditional award was made to the low bidding general contractor. Due to new litigation regarding this project, the contract was not awarded during the 120 day award period which expired June 19, 1975. However, with the possibility of clarification and elimination of the existing legal problems the low bid general contractor requested and was granted a waiver extending the bid award period through October 20, 1975.

CONSTRUCTION DIVISION

The Construction Division has the prime responsibility for the supervision of inspection of Construction Projects, which includes inspection of the work for conformance with contract documents, progress and validity of contract work, recommend approval of contract payments and certification of the completion of the contract. The Construction Division is also responsible for investigating contract claims and making recommendations as to their disposition.

The Construction Division is managed by a Senior Architect and is assisted by two Architectural Administrators who are responsible for construction administration and a Chief Building Inspector, who directs and supervises the activities of the Project Building Inspectors.

BUREAU OF ARCHITECTURE

Supervisory Personnel as of June 30, 1975

City Architect Hugh W. Hiatt
Assistant City Architect Norman M. Karasick

ADMINISTRATION

Management Assistant Richard A. DeMartini

SCHOOL FACILITIES DIVISION

Principal Architect and Division Head . . John R. Wilkinson
Senior Architect Francis L. Chinn
Architect Orlando Orlandi
Architect Gene Gee
Architect Robert Appleton
Architectural Associate II Richard Leong
Architectural Associate II Jane Gee
Chief Building Inspector Robert J. O'Connell

HEALTH FACILITIES DIVISION

Senior Architect and Division Head . . . Robert J. Malerbi
Architect Harry J. Squeri
Architect Peter I. Pira
Architectural Associate II Gene K. Wong
Chief Building Inspector William M. O'Neill

MISCELLANEOUS FACILITIES DIVISION

Senior Architect and Division Head . . . Clement A. Mullins
Architect Arthur Lee
Architect Albino D. Giusto
Architect Kenneth A. Housholder
Architectural Associate II William Tom

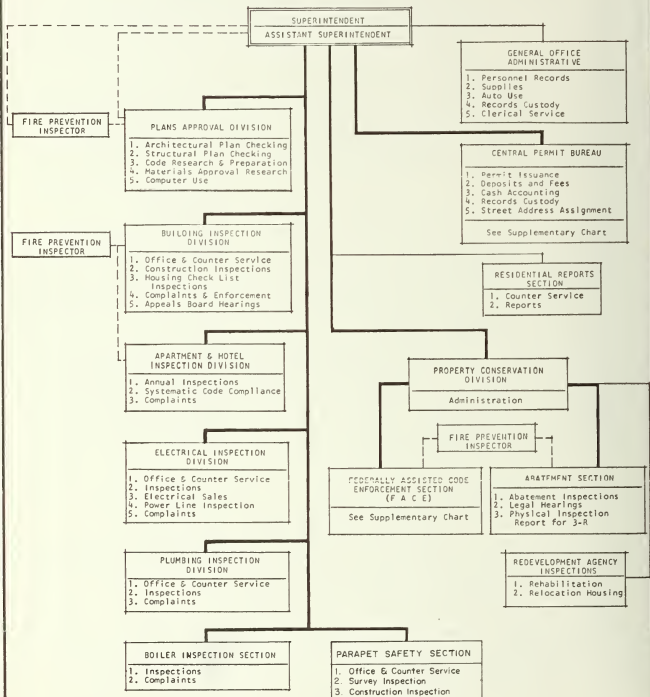
CONSTRUCTION DIVISION

Senior Architect and Division Head . . . Alexander S. Fadeff
Chief Building Inspector Robert F. Dunne
Architectural Administrator Lawrence Young
Architectural Administrator Malcolm C. Dong

BUREAU OF BUILDING INSPECTION

ORGANIZATION CHART

JUNE 30, 1975



BUREAU OF BUILDING INSPECTION

Alfred Goldberg, Superintendent

CONSTRUCTION ACTIVITY

This year saw the completion of more of the large number of major buildings consisting of hotels, offices and hospitals, for which Site Permits were filed between 1971 and 1973. Thus the estimated cost figure for major building construction continued in rapid decline. Since these buildings were a large component of total construction during the last several years, this decline pulled the total estimated cost of all constructions back down to the \$200,000,000 level which had prevailed prior to 1971.

Nevertheless, despite this decline in the total cost, the number of permits increased again for the third successive year. This was caused by increases in the number of small residential buildings and alterations to existing buildings. Thus the work load of inspectors and permit processing personnel did not decrease significantly inasmuch as work load is more directly related to number of permits rather than to the cost magnitude of single buildings.

STAFFING PROBLEMS

Due to the effects of general inflation and recession of the general economic environment and the resulting local budgetary problems, the Bureau of Building Inspection was this year continuously squeezed by staff shortages due to unfilled requisitions for replacement of personnel lost by attrition.

As discussed above under Construction Activity and in various other paragraphs of the report of this Bureau, the workload did not decrease but actually increased due to imposition by new state and local laws of additional activities. Thus, the pressure of additional work on a decreased staff has been a challenge to the remaining personnel. Most have responded very well and have been generally able to maintain the quality level of services. However, the strain is being felt severely by this time, attrition is increasing and weak spots are developing. Continued short-staffed operation will surely result in a seriously deteriorating quality of service.

PLANS APPROVAL DIVISION

The Division was short two engineers for the first nine months of the fiscal year and three engineers for the last three months. In addition, the services of one architectural plan checker was lost for the last eight months of the fiscal year due to promotion. Despite the establishment of the structural engineer class and a subsequent list for same, only one "in-house" placement was made by promotion of an engineer checker with a structural license to that grade to head the Parapet Section. This created one of the vacancies in this Division.

Considerable amount of work was done in the review and checking of the Yerba Buena Center (YBC) project during this fiscal year. This amount of work cannot be reflected in any totals inasmuch as the YBC project was subsequently "shelved" due to legal and economic obstacles.

In terms of dollar volume of building permit applications processed by this Division, the volume is some 15% lower than last fiscal year with however a marked uptrend noted for the last corresponding half of the fiscal year. With the plan checking staff reduced by one-third, a steadily increasing plan checking backlog has developed especially in the structural checking function of this Division. It is hoped that a forthcoming posting of the civil engineering examinations together with the existing Structural Engineer list and a forthcoming examination for Architectural Plan Checker will fill the existing vacancies. It is further noted that considerable checking work involving Site Permit Addenda has been and is an "on-going" Division obligation.

The filling of the existing vacancies and certain proposed management positions is urgently needed so that the public can be properly served in the function relative to approval of new materials and methods of construction. Despite the critical short-staff situation, inconvenience to the public was generally kept at a manageable level and every effort has been made to provide service whenever there was a critical need.

PARAPET ORDINANCE ENFORCEMENT

A Structural Engineer was appointed and assigned in April to the newly activated Parapet Safety Section to implement a program of enforcement for the Parapet Ordinance (Article 2.5 of the San Francisco Building Code). By the middle of June the physical office facilities were set up, and two building inspectors and a senior clerk stenographer were hired and trained. Program procedures, policies, and technical criteria were formulated and were sent for review



Left: Embarcadero Two viewed from Alcoa Plaza. Below: New units in the Lake Merced Hills subdivision.



to various groups in the design and planning professions. Feedback from these groups was incorporated into the program. Preliminary field surveys to identify hazardous parapets and ornamentations, and the sending of correction notices to owners, were started during the last week of June.

The field surveys were started in the Union Square area and are proceeding on a systematic, block-by-block basis. Phase 1 of the program will cover 170 square blocks in the Downtown, Financial, Chinatown, and South-of-Market areas. Based on the initial rate of progress being made, it will take approximately four years to complete the surveys and to have the hazards abated under Phase 1.

REORGANIZATION OF BUREAU OF BUILDING INSPECTION

The proposed reorganization discussed in last year's report was fully approved by the Civil Service Commission and the Board of Supervisors with funding commencing July 1, 1975. Recruitment of the new middle management staff through examinations was initiated. Examination filing deadlines were kept open due to inadequate response. It is hoped that

by the Fall of 1975 the staff will have been employed and the reorganization will have become operative. Major support was provided by the professional societies, the Chamber of Commerce and SPUR for this major step in providing for the future activities of the Bureau in serving the industry and the public.

MICROFILM OF BUILDING RECORDS

The microfilm contract neared completion at the end of the fiscal year with final stages expected to be completed by September 1975. Over \$265,000 has been collected from the several surcharges imposed to pay for the work of the contractor and to purchase the in-house capability for the continuation of the work. All plans and applications were filmed and the final work to be done involves insertion of application film into IBM type aperture cards and then sorting same into street address order.

As auxiliary benefits to the program, all Division of Apartment House and Hotel records were filmed and by August 1975 will have been replaced by microfiche jackets. The resulting savings in file space will enable inspectors to operate more efficiently as well as to provide desk space for all authorized personnel. The cabinets released will be assigned to other divisions thus obviating the need of purchasing new file cabinets. This bureau has held off requesting new cabinets for two years pending this eventuality.

All street files in the Superintendent's office were filmed and inserted into microfiche jackets. A reader was installed in the outer office for office and public use. The resultant compression in required file space permitted release of one 6 foot file as well as amply providing for future filing capability.

It is expected that the collection of all authorized surcharges will cease in 1976, at least one year ahead of schedule, based upon conservative contract estimates. The procedure utilized, i.e. a public contract to be paid for out of future revenues which in turn is based upon expected funding levels using a conservative evaluation, is also being promoted for other governmental agencies as a result of the financial crises most governmental agencies experienced.

NEW BUILDING CODE PRINTING

Due to the financial crisis of the Cities, the 1973 Building Code amendments were never printed by the City. Under the

old procedures, the City put up all the funds needed to print the changes or new code and then charged enough per copy to recapture its outlay over a period of time. The Superintendent had recommended in 1969, that to speed up the process as well as to lessen the cost to the City of coming up with the front money, that there be an alternate approach used, namely to have a private printer do the job with his own capital and then to permit him to sell the codes to recapture his costs. This is the procedure used by the City of Los Angeles for many years.

Finally in early fall 1974, the Finance Committee of the Board of Supervisors with the advice of the City Attorney and approval of the Purchaser, all agreed to institute this procedure for the Building Code and all future City codes and ordinances. The printing firm agreeing to do this was the one presently doing the Los Angeles codes, the Building News Company of Los Angeles. In early June the Building Code was completed with over twenty amendments including the major 1973 changes incorporated therein. It was placed on public sale on June 24, 1974. It represented a recodification, as well as a reprinted document.

Immediately thereafter the Plumbing and Electrical Codes have been similarly started into the process with completion expected in the fall of 1975.

The printer has outlets for the codes in each of the surrounding counties as well as by mail and also offers an amendment service at a nominal cost.

We have now resolved what has been a very unfortunate period, one in which the public had no way of obtaining a copy of the law it had to follow in order to properly construct buildings. By the new procedure, the City saves money and the public interest will be expeditiously served.

SECURITY REGULATIONS ENACTED BY BOARD OF SUPERVISORS

Another new era of enforcement activity placed upon the Bureau is the recently enacted security requirements ordinance. A proposed amendment to correct an inequity in regard to new buildings has been submitted and will probably be adopted by September 1975. These requirements will involve all multifamily residential buildings, both new and existing.

For new buildings, once the proposed amendment is approved, all hotel and apartment entry doors will have to have one - inch deadbolt locks and all doors and windows within eight feet of the ground will have to have approved locks.

For existing buildings, the same requirements will apply commencing January 1980 on a retroactive basis. The Bureau will advise owners of the need for the locks and upon noting non-compliance will refer the matter to the Police Department who will issue citations for each violation with a gradually increasing fine assessed.

These ordinances are another "new" area of code enforcement placed upon the Bureau and which are not strictly health and safety oriented in the traditional sense.

SYSTEMATIC HOUSING CODE ENFORCEMENT (DAHI/AB475)

The Systematic Housing Code Enforcement program for apartment houses and hotels is the direct responsibility of the Division of Apartment House and Hotel Inspections. In the past year, new procedures to step up the pressures on owners to comply were initiated.

One action has been to notify all those having any financial interest in a property, i.e. the owner, the mortgage holder, the lenders of any outstanding loans etc. of pending abate-



Above: Baja Vista Apartments at Vallejo and Fillmore St's. Right: The Southern Pacific Building under construction.



ment hearings by the Director about the property and also advising them that the permit of occupancy has been revoked due to non-compliance. Since most mortgages require that there be a valid permit of occupancy for the property at all times, this brings very considerable pressure upon owners to comply.

Another assist has been the result of State Assembly Bill 475 enacted in 1974 and introduced by Assemblyman Willy Brown. This law permits the enforcement official (the Superintendent) to notify the Franchise Tax Board of any rental residential property wherein the owner has failed to abate the code violations within six months after being advised of same. If not appealed or if the appeal is not sustained, the Franchise Tax Board then prohibits any tax exemptions from state taxes that the owner normally takes for his property. This has had a very powerful effect upon owners since in many cases the only profit they can see is that provided by the tax deductions on their income property. Over 3700 notices of this new law were sent to all owners of property in the code compliance pipe line.

Finally, a very aggressive program of court hearings has been pursued by Assistant City Attorney Ed Johnson for those



Above: Telegraph Landing Apartments at Sansome and Embarcadero Streets at the foot of Telegraph Hill.

Below: A view of Diamond Heights Apartments on Ora Way.



cases condemned by the Director of Public Works in which the owner has failed to abate the violations. The rate of compliance actively resulting from the actions of the City Attorney's office in the past year is truly astounding, and full credit must be given to that office and Mr. Johnson in particular.

By these major efforts and many other similar activities, the program is now proceeding at a very increased pace, with the backlog being reduced at an even greater rate.

It is unfortunate that in an era of computers, that almost all the activity in this extremely valuable program has to be done by hand using up enormous amounts of man-hours. Data processing, computerized retrieval and input upturns would not only increase our rate of field activity but provide massive information as to the status of our housing stock, its rate of change and the many other indices of quality contained within the program. Until funding is provided for such a system, it operates by relying upon dedicated employees spending time and energy rather than using modern data processing systems.

BOARD OF EXAMINERS - CONFLICT OF INTEREST

At the federal, state and local levels in the past two years there have been increasing concerns over conflict of interest rules governing elected, appointed and other officers of government. This is a valid concern in the post-Watergate era and is probably overdue. However, the 1974 Charter amendment in San Francisco has so tightened the conflict of interest rules, particularly as interpreted by the City Attorney, as to jeopardize the continuation of the Board of Examiners. In a related conflict of interest opinion involving one Board of Examiners member and a contract involving certain federal assistance to a city contract for the Municipal Railway, the Board member had to resign from the Board.

The City Attorney has stated that, as a result of the Charter amendment, any Board member found to have any interest at all in a case coming before the Board can no longer abstain from participating in the hearing but must resign. The situation would be that a sub-contractor appealing a minor plumbing matter for a major building that might have had one of the Board members involved in either the structural or architectural design, that Board member would automatically have to resign even though he was in no way aware or involved in the appeal item.

A proposed Charter amendment to lessen such harsh impact of the present provisions has been introduced. Unless it is passed by the electorate, the Board of Examiners will cease to exist in a relatively short time.

The Board established by the 1956 Building Code, is unique in the country. It is made up of the most eminent men in their respective fields. Its scope of operations in the past eighteen years has been outstanding and has provided an essential service to the City and the construction industry. In its years of service there has never been anything but praise for the professionalism of its members. The conflict of interest rules have unfortunately claimed the innocent while searching for the guilty.

STATE FIRE MARSHAL - RETROACTIVE HIGH RISE REGULATIONS

The Superintendent spent a very considerable amount of time throughout the year, directly involved in attempting to modify the proposed high-rise regulations for existing buildings so as to make them reasonable acceptable. As a member of the ad hoc advisory committee to the State Fire

Right: American Automobile Association
Building at 150 Van Ness Ave. Below:
New office building at 221 Main Street.



Marshal he attended several meetings of that committee where it became very apparent that the regulations were not going to be open to input from the committee. In December 1974, the Fire Marshal adopted his regulations on an emergency basis. In March 1975, he held hearings in San Francisco and Los Angeles at which time opposition of a considerable amount was evidenced, primarily at the San Francisco hearing.

Following the March hearing, the Fire Marshal revised his regulations to a minor degree and again issued them on an emergency basis, with further hearings to be held the first week of July 1975. Very strong opposition was marshalled throughout the state during May and June for these pending hearings and the matter is still not resolved.

The basic issues are the excessive requirements imposed by the proposed regulations and their very considerable cost.

Many of the requirements exceed those needed or authorized by the Legislature and are therefore needlessly costly to the building owners. Another major issue is the failure to provide due process for enactment of retroactive regulations. The regulations have been prepared by the State Fire Marshal, hearings have been held by him without his answering to anyone as to the need or justification for any provision and the final determination as to the effect of the hearings is made by the State Fire Marshal. Any appeals as to proper enforcement are to be made to the State Fire Marshal. The constitutional question raised by this process may involve lawsuits.

The Board of Supervisors adopted a resolution supported by the Fire Department and this Bureau urging the revision of the regulations in line with the 1961 Housing Code amendments adopted in San Francisco as the basis of reasonable requirements. This position is the one supported by most groups in the State.

STATE IMPOSED REQUIREMENTS - ENERGY INSULATION, NOISE INSULATION

The regulations adopted by the State Department of Housing and Community Development requiring energy insulation and noise insulation for all new residential buildings became operative during this year. The energy requirements have been enforced during plan checking commencing February 22, 1975.

The noise insulation requirements have not been enforced by the Bureau since there is no data available relative to external noise levels sufficient to permit such enforcement. It appears that it may be another year before maps with detailed noise contours are available for the entire City so that the plan checkers can readily relate any particular building under review with the necessary reduction levels needed to meet the state parameters.

Energy insulation regulations for non-residential buildings were being formulated and there were sufficient problems involved to delay adoption until later in 1975.

These two areas of state mandated regulations have been imposed upon the local building official without any regard to the fact that the purposes of the building code are being compromised from health and safety by the concerns of the legislature. Without any additional staffing or funding, the imposition of such non-health and safety areas of code enforcement will result in some lessening of enforcement in the two areas of public health and safety.

SUMMARY

BUILDING PERMITS

TYPE OF CONSTRUCTION	1973-74 NO. OF PERMITS	1974-75 NO. OF PERMITS	1973-74 ESTIMATED COST	1974-75 ESTIMATED COST
Type 1	20	14	\$ 58,359,353	\$ 84,498,419
Type 2	1	2	2,500,000	3,460,988
Type 3	7	6	816,483	749,000
Type 4	26	13	1,127,935	708,873
Type 5	514	387	59,534,430	33,724,416
Alterations	<u>10,713</u>	<u>10,433</u>	<u>80,514,651</u>	<u>59,964,121</u>
TOTAL	11,281	10,855	\$202,852,852	\$183,105,817

Type 1 - Steel frame, reinforced concrete, or reinforced masonry structural elements. Fire-resistive construction.

Type 2 - Similar to Type 1, but with limitations.

Type 3 - Wood frame floors with exterior walls of concrete or masonry.

Type 4 - Light incombustible frame construction.

Type 5 - Wood frame construction.



Above: Ramada Inn is now complete at the corner of Bay and Columbus Streets.

MISCELLANEOUS STATISTICS

	<u>1973-74</u>	<u>1974-75</u>
Inspections reported by building inspectors	32,975	39,662
Projects remaining on which permits have been issued that have not been reported completed by building inspectors	5,019	5,049
Complaints reported that have been adjusted by building inspectors	1,750	2,819
Inspections reported by boiler inspectors - total	1,746	2,079
Inspections of City boilers and air tanks (included in total)	95	181
Complaints received and adjusted - boiler and air tanks (included in total)	716	801
Complaints and requests for information recorded	1,932	3,100
Applications for permits examined and approved		
by Plans Approval Division	Buildings 2,137 Signs 693	1,246 811
Miles traveled during the year by vehicles on inspection service	491,100	322,905
Report of Residential Records	7,836	7,620



Above: New Mastercharge Building is under construction at 950 Front Street.

DIVISION OF APARTMENT AND HOTEL INSPECTIONS

	<u>1973-74</u>		<u>1974-75</u>	
No. of Structures inspected-Inspection Orders turned in (Does not constitute total number of inspections made)				
Apartment Buildings	8,437		6,731	
Hotels	292		188	
No. Complete Inspections	879		539	
No. Structures Rehabilitated	465		538	
No. Structures "Picked Up"				
no Previous Housing Files	Bldgs.	Units	Bldgs.	Units
Apartment Buildings	53	515	108	425
Hotels	2	18	0	0
No. New Buildings and No. Units Gained				
Apartment Buildings	76	2,266	79	2,015
Hotels	1	500	1	240
No. of Structures Reverted to Dwelling	24		15	
No. of Structures Demolished				
Apartment Buildings	Bldgs.	Units	Bldgs.	Units
Hotels	58	321	50	468
	10	464	11	943
No. Cases Abated				
With Building Permit	465		542	
	403		529	
Total Units in Substandard Bldgs.				
Last Total No. Legal Units	5,426		4,198	
No. Dwelling Units Brought Into Compliance	5,449		4,122	
No. Units Eliminated	100		247	
No. Units Gained	135		4	
A* - As per original use. B* - As per existing use.				
No. Permits of Occupancy				
	Issued	Revoked	Issued	Revoked
Apartment Buildings	1,686	134	1,131	110
Hotels	58	8	38	9
No. Principal Conferences	410		185	
No. Abatement Conferences	539		572	

DIVISION OF APARTMENT AND HOTEL INSPECTIONS (Continued)

	<u>1973-74</u>	<u>1974-75</u>
No. Condemnation Cases - Recommended		
Apartment Buildings	404	311
Hotels	76	9
No. Building Permit Applications Received and Processed	2,256	2,097
No. Requests for Citation to District Attorney	7	0
No. Requests for Warrants	0	0
No. Complaints Received	624	713
No. Complaints Abated	567	467
No. Notices Sent	7,382	8,025
No. Potential Displacements		
Apartment Buildings	151	208
Hotels	78	22

PLUMBING INSPECTION DIVISION

1973-74 1974-75

PERMITS AND FEES

Number of permits, combined work(Plumbing, water piping, gas, etc.)	2500	2303
Number of permits, plumbing only	952	1172
Number of permits, gas only	5419	5244
Number of permits, water only	1946	2611
Number of plumbing permit issuance fees paid	2967	2970
Number of gas permit issuance fees paid	2169	2110
Number of water line permit issuance fees paid	4068	4094
Number of extra charge fees	449	565
Number of reinspection charge fees	48	114
Total Receipts for fiscal year	\$284,332	216,646

INSPECTIONS

Number of inspections made(plumbing, water, gas, etc.)	16,360	15,684
Number of jobs finaled	5684	6220
Number of lockouts	1079	992
Number of hours spent on fee exempt work	3851	3732

COMPLAINTS AND ADJUSTMENTS

Number of complaints received	1070	1015
Number of complaint inspections	2105	1972
Number of Coroner's request for investigation	1	
Number of condemnation reports	21	
Number of work without permit found (penalty work)	103	114

SEWERS

Number of building sewers installed	411	439
Number of building sewer traps replaced	23	80
Number of building sewers replaced or repaired	324	160

PLUMBING INSPECTION DIVISION
(Continued)

	<u>1973-74</u>	<u>1974-75</u>
PLUMBING FIXTURES, ETC.		
Number of plumbing fixtures and water discharge	51,682	27,561
Number of sump ejectors	6	5
Number of grease interceptors	0	4
Number of rain water leaders	656	385
Number of water outlets (over 4)	93,983	55,935

GAS INSTALLATIONS

Number of gas lines installed, 1 outlet only	2709	2860
Number of gas outlets over 1	3368	2796
Number of gas conversions	64	14
Number of warm air furnaces	2082	1918
Number of water heaters	3071	3056
Number of miscellaneous gas appliances	4371	3692

ELECTRICAL INSPECTION DIVISION

PERMITS AND FEES	<u>1973-1974</u>	<u>1974-75</u>
Permits issued, wiring	10,198	9,984
Permits issued, signs	850	776
Electrical sales, licenses registered	2,273	2,222
Electrical contractors, registered	768	786
Plant owners, licenses registered	26	36
Electrical wiring and fixtures - permit fees received	\$312,442.38	\$331,083.22
Electrical sign permit fees received	4,588.42	5,016.50
Electrical sales license fees received	40,909.25	56,250.25
Plant owners license fees received	3,000.00	3,000.00
Total receipts for Fiscal Year	\$382,089.83	\$395,350.47
INSPECTIONS		
Inspections made	32,434	33,132
Electrical surveys of multi-unit buildings for code compliance (DAHI)	589	551
Complaints investigated (found defective)	3,038	2,866
Jobs discovered without permit	110	140
Installations in progress as of June 30	4,736	4,714
Number of lockouts	1,262	1,143

ELECTRICAL INSPECTION DIVISION (Continued)

	<u>1973-74</u>	<u>1974-75</u>
Number of hours spent on fee exempt work	6,586	6,301
Wiring and fixture installations inspected and completed	9,662	10,292
Sign installations inspected and completed	889	790
Pinball machine inspections	64	349
Inspections of nursing homes and boarding homes for ambulatory aged	3	27
Night clubs, public assembly, dance halls, movie, theaters, etc. - inspections	40	339
Spray booth inspections	5	13
Massage parlor inspections	7	21
Specials (garages, parking lots, laundries, second-hand stores, etc.)	21	219
Citations to the District Attorney	36	43

PERSONNEL

As of June 30, 1975

Alfred Goldberg, Superintendent
W. A. Kastius, Assistant Superintendent

GENERAL OFFICE -	1	1408	Principal Clerk
ADMINISTRATIVE	2	1446	Senior Clerk Steno
	2	1444	Clerk Steno
D. Barnard	1	1426	Sr. Clerk Typist
Principal Clerk	6		
PLANS APPROVAL	1	5210	Sr. Civil Engineer
DIVISION	1	5214	Bldg. Plans Engineer
	1	5218	Structural Engineer
	6	5208	Civil Engineer
M. Choy	1	5206	Assoc. Civil Engineer
Sr. Civil Engineer	2	6266	Sr. Plan Checker
	2	6264	Plan Checker
H. G. Fong, Bldg.	1	1424	Clerk Typist
Plans Engineer	15		
BUILDING INSPECTION			
DIVISION	2	6334	Chief Bldg. Inspector
	18	6331	Bldg. Inspector
	20		
R. McDonnell			
Chief Inspector			
ELECTRICAL INSPECTION	1	6250	Chief Electrical Insp.
DIVISION	16	6248	Electrical Inspector
	1	6252	Line Inspector
W. O. Maitland	1	1446	Senior Clerk Steno
Chief Inspector	1	1424	Clerk Typist
	20		
PLUMBING INSPECTION	1	6244	Chief Plumbing Inspector
DIVISION	7	6242	Plumbing Inspector
	1	1424	Clerk Typist
K. R. Lewis	9		
Chief Inspector			
BOILER INSPECTION	1	6238	Sr. Boiler Inspector
DIVISION	1	6236	Boiler Inspector
	2		
J. T. Edson			
Senior Inspector			

PERSONNEL (Continued)

APARTMENT & HOTEL INSPECTION DIVISION	1	6274	Chief Residential Environment Inspector
E. Orr Chief Inspector	1	6272	Senior Residential Environment Inspector
	12	6270	Residential Environment Inspector
A. Chinn Senior Inspector	1	1444	Clerk Steno
	1	1424	Clerk Typist
	<u>16</u>		
RESIDENTIAL BUILDING RECORDS SECTION	1	B516	Sr. Clerk Typist
	1	1426	Sr. Clerk Typist
	1	1424	Clerk Typist
J. Farr, Sr. Clerk	<u>3</u>		
PROPERTY CONSERVATION DIVISION	1	5286	Chief, Property Conservation Division
	1	6334	Chief Bldg. Inspector
B. A. Cummings	10	6331	Building Inspector
Chief - PCD	3	6248	Electrical Inspector
	1	6242	Plumbing Inspector
A. S. Cole Chief Inspector	2	6270	Residential Environmental Inspector
	1	1446	Senior Clerk Steno
	1	1444	Clerk Steno
	1	1424	Clerk Typist
	<u>21</u>		
PARAPET SAFETY SECTION	1	5218	Structural Engineer
	2	6331	Building Inspection
Franklin Lew	1	1446	Senior Clerk Steno
Structural Engineer	<u>4</u>		

RETIREMENTS

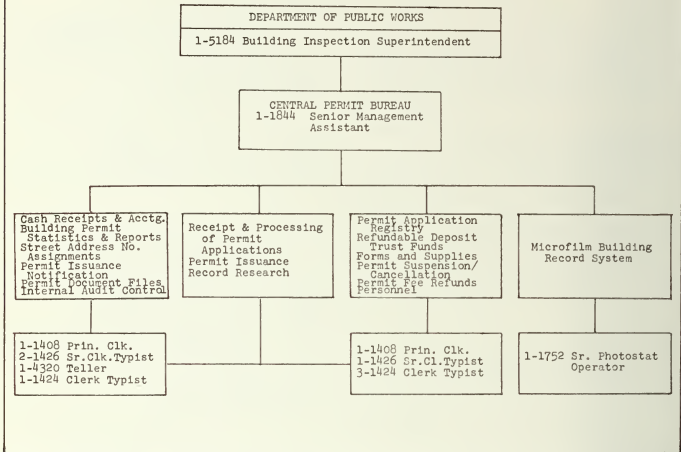
During the past year, the following employees were retired and recognition is given for their faithful service:

ELVIN, Marshall	6331 Bldg. Inspector	22 years
GIFFORD, Stephen I.	6333 Senior Bldg. Insp.	28 years
GUSTAFSON, Earl T.	6331 Bldg. Inspector	24 years
SNYDER, George	6242 Plumbing Inspector	26 years

DEATH IN SERVICE

WILLS, Harry	6242 Plumbing Inspector	27 years
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DEPARTMENT OF PUBLIC WORKS
CENTRAL PERMIT BUREAU
ORGANIZATION CHART
JULY 1, 1975



BUREAU OF BUILDING INSPECTION

CENTRAL PERMIT BUREAU

Clyde Volens - Senior Management Assistant

The Central Permit Bureau is charged with the receiving, recording, and processing of applications for the various permits and licenses under the jurisdiction of the Department of Public Works, collection of the applicable fees, including extra charge and penalty amounts, and issuance of the permits. Included are permits covering each aspect of the erection, alteration, demolition and moving of buildings; permits for

the various types of signs; permits involving the use or excavation of streets and sidewalks; and plumbing, gas appliance, boiler and electrical permits.

Departmental monetary receipts are received for deposit with the City Treasurer. Detailed accounting records are maintained as to revenue or non-revenue classification account number; records relative to receipt and refund of certain refundable deposit trust monies; records of certain Departmental receivables; and records for use in preparing of revenue estimates.

Claims for refund of permit fees paid are reviewed and processed in accordance with applicable code or other reference authorization. Uncollected receivables are transferred to the Bureau of Delinquent Revenue for further collection attempts, abandonment or compromise.

Reports prepared by the Bureau include building permit issuance statistics and divisional revenue receipts.

The Bureau maintains the official record of street addresses, which function includes assignments, changes, corrections and verifications.

Postings of notification of permit issuance are made on the premises of property affected relative to new buildings and structures, moving of buildings from one site to another, and for permits affecting a change of use of occupancy. Permittees are notified of appeals filed at the Board of Permit Appeals and of permit suspensions and revocations.

Applicable permit documents are processed in accordance with the regulatory program requirements of the California Coastal Zone Conservation Commission.

The Bureau responds to subpoenas duces tecum by appearing at court with official records as ordered.

In compliance with requirements of the State Strong Motion Instrumentation Program, the Bureau collects a fee of 0.007 per cent of the estimated construction cost on building permits authorized for deposit in the State Treasury.

Begun during early 1974 was the program to convert to a microfilm system for retention of building permit records. The ongoing program has, at this writing, produced approximately 2,600,000 microfilm document frames of various records including all plan documents, permit applications and inspection records. Approximately three thousand square feet of storage floor space has been released thereby for other uses. The program of conversion to microfilming all building records and discard of the originals will be completed prior to the end of 1975 at which time considerable space within the Bureau office space will be available for other use.

THE FOLLOWING TABLES ILLUSTRATE THE SCOPE OF THE
ACTIVITIES OF THE CENTRAL PERMIT BUREAU

TABLE I

PERMITS ISSUED AND FEES RECEIVED

	1974-75		1973-74	
	PERMITS	FEES	PERMITS	FEES
Building Permit	10,879	\$ 454,573	11,275	\$ 484,237
Application Filing Fee	8,793	(Above)	8,890	(Above)
Demolition	276	10,169	453	9,259
Boiler Installation	82	1,530	151	2,852
Boiler Inspection	636	11,351	578	9,261
Street Space*	494	106,285	570	127,788
House Number	314	2,848	330	2,784
House Moving	14	475	4	80
House Moving Invest. Fee	3	45		
Excavation (Pub. Util.)	17,494	34,988	14,311	28,622
Excavation & Curb (Other)	338	2,479	376	3,973
Partition Relocation	50	150	25	75
Flue	1,388	5,955	1,252	5,970
Posting Notice	267	893	275	743
Flower Market	29	2,065	44	1,632
Advertising	3	688	7	1,129
Survey	7	4,430	6	6,150
Engineering Inspection	116	63,330	130	59,007
Elec. Wiring and/or Fxtr.	9,926	331,288	10,090	314,442
Electrical Sign	723	5,019	854	5,193
Electrical Sales	2,219	56,650	2,276	59,150
Plant Owner	25	2,500	30	3,000
Plan Checking	3,415	240,759	3,028	184,481
Garage Door Coupons	750	2,250	425	1,275
Hearings - Code Variances	32	391	59	590
Hearings - Sub. Materials	3	450	1	150
Plbg. Fxtr. & Gas Appl.	10,737	215,617	10,126	282,261
Journeyman Plumber License**			146	1,285
Gas Appliance Dealer	29	725	22	550
Gas Appliance Workman			26	130
Residential Inspec. Report	19	1,225	10	1,050
Residential Record Report	7,682	57,143	7,901	58,875
Industrial Wastes	2,805	168,164	3,073	68,058
Blasting	5	62	4	36
Sidewalk	2,186	15,614	1,381	11,959
Sub-Sidewalk Space*	5	24	13	77
Debris Box	5,450	10,900	6,750	13,740
TOTAL - TABLE I	87,194	1,811,035	84,892	1,749,864
TOTAL - TABLE II	2,672	559,248	1,784	430,403
TOTAL - TABLE III		18,668,131		17,482,606
GRAND TOTAL - PERMITS AND RECEIPTS	89,866	21,038,414	86,676	19,662,873

* Permits and fees only. See Table II for Refundable Deposits

** Discontinued February 1974

TABLE II
TRUST FUND DEPOSITS

	1974-75		1973-74	
	PERMITS DEPOSITS		PERMITS DEPOSITS	
REFUNDABLE DEPOSITS				
Street Space	*	\$ 19,620	*	\$ 21,250
Sub-Sidewalk	*	1,720	*	6,590
Deposit on Plans	2,189	188,170	1,275	61,540
Excavations	*	34	*	138
	<u>2,189</u>	<u>\$209,544</u>	<u>1,275</u>	<u>\$ 89,518</u>
* Street Space, Sub-Sidewalk and Excavations require both a fee and a deposit. Amounts shown are deposits only.				
PARTIALLY REFUNDABLE DEPOSITS				
Side Sewers	222	\$237,060	210	\$244,550
Side Sewers - Excess Costs		23,934		18,013
	<u>222</u>	<u>\$260,994</u>	<u>210</u>	<u>\$262,563</u>
AGENCY DEPOSITS				
Street Improvement Bonds	261	\$ 75,949	299	\$ 64,738
State - Strong Motion Program		12,761		13,584
	<u>261</u>	<u>\$ 88,710</u>	<u>299</u>	<u>\$ 78,322</u>
TOTAL TRUST FUND DEPOSITS	2,672	\$559,248	1,784	\$430,403

TABLE III
OTHER RECEIPTS

	1974-75	1973-74
General Fund	\$ 9,042,603	\$ 7,252,344
Special Gas Tax - Street Improvement Fund	5,947,659	6,455,027
Road Fund	3,628,720	3,702,685
State Highway Trust Fund	22,137	21,334
Various Funds	<u>27,012</u>	<u>51,216</u>
TOTAL OTHER RECEIPTS	\$18,668,131	\$17,482,606

TABLE IV
STATEMENT OF CONDITION - PRIVATE TRUST FUNDS

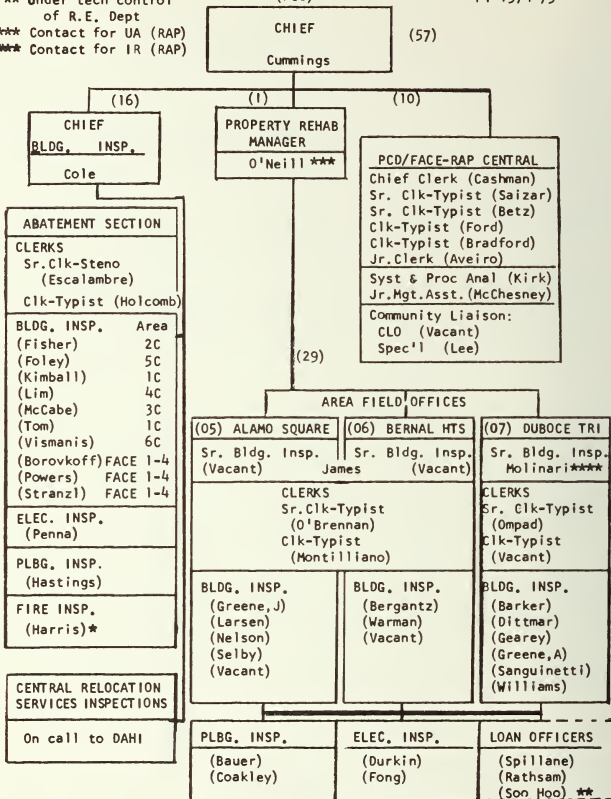
As of June 30, 1975

	BALANCE 6-30-74	TRANSFERS DEPOSITS & REFUNDS 1974-75 1974-75		BALANCE 6-30-75
Excavation	\$ 5,718	\$ 34	\$ 220	\$ 5,532
Street Space & Sub-Sidewalk	165,325	21,340	17,185	169,480
Plans & Specifications	36,298	188,170	180,660	43,808

- * Consultant
 ** Under tech control
 of R.E. Dept
 *** Contact for UA (RAP)
 **** Contact for IR (RAP)

PROPERTY CONSERVATION DIVISION
 (PCD)

FY 1974-75



(Not shown: Depts/Offices which provide support: Real Estate; City Plng; City Att'y; Bur Accts(DPW); City Engr. Also, S.F.Redev.Agency provides reloc svcs on "per move" basis.

PROPERTY CONSERVATION DIVISION
FEDERALLY ASSISTED CODE ENFORCEMENT (FACE)
REHABILITATION ASSISTANCE PROGRAM
AND ABATEMENT

In Feb. 1975, the California Court of Appeals ruled in S.F. vs Dolan that the sale of bonds for RAP was constitutional. This decision was upheld on appeal to the State Supreme Court in March 1975.

An IRS ruling has been requested to determine whether the bonds will be tax exempt. This ruling is expected in August 1975.

HUD has released \$598,606 in Community Development Special Revenue Sharing funds for administration, relocation benefits, hardship loan interest subsidy, acquisition for rehabilitation/resale, and temporary rent payments in the Inner Richmond RAP area.

An Environmental Impact Report is being prepared by the Department of City Planning for the Upper Ashbury RAP area. This EIR should be completed in November 1975.

As of June 30, 1975, the total budget and cost of the project (since its inception in September 1966) is as follows:

	<u>FACE Budget*</u>	<u>Expenditures/ Encumbrances</u>	<u>Balance</u>
1) Administration and operations (expended & obligated):			
a. Sec 117 & local funds (Administration/operations costs), including land acquisition costs and public improvements costs	\$9,924,994	\$8,977,440	\$947,554
b. Supplemental City budget expenditures (Expended (\$450,078, encumbered \$60,308)	630,840**	630,840	0
c. Total	\$10,555,834	\$9,608,280	\$947,554
2) Relocation Grants	803,500	709,677	93,823
3) Rehab grants (Sec 115) . . .	896,085	859,993	36,092
4) Rehab loans (Sec 312) . . .	None***	\$14,009,500	-

As of June 30, 1975 there have been 1,028 Sec 312 loans made, valued at \$14,009,500 and 355 Sec 115 rehabilitation grants, valued at \$859,992 for property in all seven FACE areas.

*Thru Budget #10.

**Approximately \$400,000 of this amount is to be reimbursed from the \$947,554 balance. This balance also includes \$417,000 in withheld Sec 117 funds.

***Rehab loan requirements are not budgeted. Loan funds are approved/obligated upon approval of the loan(s) by HUD.

The FACE contract was extended to Aug. 31, 1975 and \$420,000 in Sec 117 funds have been received. An additional \$470,000 was approved in April 1975 as an allocation of transitional funding by the Mayor's office of Community Development (OCD). Community Development funds are expected in July 1975 for FACE (\$620,832) and (\$598,606) for the Inner Richmond RAP area. A further extension of time on the FACE contract has been requested to June 30, 1976.

As of June 30, 1975 (excluding 152 cases in litigation which are considered out of the workload - see below), 89.1% of the buildings in areas 1-7 were SCC'd (Satisfactory Code Compliance, which can be attained by a building meeting any one of 3 conditions being "Found Standard" at time of initial inspection, by rehabilitation to code, or by demolition of the structure.)

As of June 1975, there are in excess of 131 applications on hand/in process, with a value/cost of over \$3.1 million, including an estimated inflationary cost to compensate for "age" of bids (up to over 30 months old due to lack of loan funds). See table on next page showing requirements and status of loan funds.

Of the total budgeted costs \$1.65 million for public improvements (street lights, street trees, street reconstruction, etc.), included in the \$6.5 million for administration and operating costs shown above, about \$1.81 million worth of construction, or over 100% of the programmed (budgeted) work, was in place as of June 30, 1974. The City's local (budgeted) contribution is 78.5% (almost \$1.3 million) of the Public Improvements portion of the budget, with the Federal Government financing the balance (\$355,325). See table showing further breakout of status.

An evaluation of rehabilitation costs (through June 30, (1974) in the currently active three (3) FACE Areas reveals that average costs for rehabilitation have varied from about \$1000 per dwelling unit for those privately financed to slightly over \$5000 per unit for those financed with Federal funds. The average cost per dwelling unit was lowest in Bernal Heights for those privately financed and highest in Duboce Triangle for those Federally funded. In respect to individual building rehabilitation costs, as opposed to cost per dwelling unit, Duboce Triangle had the lowest costs for those privately financed, whereas Bernal Heights had the lowest expenditures in relation to number of building rehabilitated using Federal funds.

The rehabilitation costs of structures in the FACE Areas for "work in place" totals over \$14.0 million. The "work in place" consists of those structures in which the rehabilitation has been completed and meets code requirements. In addition, there have been improvements above code which, in regard to Areas 5-7, for example, have amounted to over \$1.4 million. (See chart Table A)

Of the residential structures in areas 5-7 rehabilitated to code requirements through June 30, 1975, 49% of the buildings have been renovated by private means, constituting only 20% of the total dollars expended (both private & Federal loan and grant funds) for renovation of all residential structures.

COST OF REHABILITATION OF PROPERTIES (IN \$THOUS)
(Excluding Improvements Above Code)

Table A

Table A

To: June 30, 1975	FACE Areas	Total	Residential	Non-Residential	Mixed
	Total 1-4	\$ 5,190,100	\$ 4,975,669	\$ 21,385	\$193,046
	5-7	8,845,859	8,546,453	26,894	272,512
	Total 1-7	14,035,959	13,522,122	48,279	465,558

COST OF REHABILITATION OF AREAS 5-7 PROPERTIES
BY CATEGORY (IN \$THOUS)

To: June 30, 1975	FACE Areas 5-7	Category Code Enf. Impr Above code	Total \$8,845.9 1,410.2	Residential \$8,546.5 1,220.2	Non Residential \$ 26.9 132.0	Mixed \$272.5 57.9
	Total	Code Enf & Impr.	\$10,256.1	\$9,766.7	\$158.9	\$630.4

RECAP STATUS OF FACE
LOAN APPLICATIONS
BY MAJOR PRIORITY CATEGORY

As of June 30, 1975

MAJOR PRIORITY	TOTAL LOANS	REFINANCE	LOANS APPROVED	REMAINDER IN PROCESS
A (11)	\$ 608,150	(1) \$ 55,000	(7) \$422,900	(4) \$ 185,250
I (9)	188,552	(5) 51,055	(4) 65,250*	(5) 123,302**
II (9)	269,700	(4) 114,600	-	(9) 267,800
III (65)	1,207,950	-	-	(65) 1,207,950
IV (3)	30,000	-	-	(3) 30,000
V (3)	99,500	-	-	(3) 99,500
VI (31)	1,186,800	-	-	(31) 1,186,800

Grand Total

All Priorities(131)	\$3,590,652	(10)	\$220,655	(11)	\$488,150*	(120)	\$3,100,602**
------------------------	-------------	------	-----------	------	------------	-------	---------------

*Plus 2 grants (\$2500 & \$3500) totalling \$6,000.

**Plus 1 grant (\$3500)

Priority A:	The 35 ECP applications not approved by HUD.
Priority I:	Sec 221d(3) applicants. Any qualifying under this priority superceded any other priorities regardless of date of filing.
Priority II:	Owner-occupants of 1-4 family dwellings - loan will exceed 20% gross income.
Priority III:	Owner-occupants or investor-owned applicants of 1-4 family dwellings and unable to obtain private financing.
Priority IV:	Remainder of owner-occupants of 1-4 family dwellings (none listed in the attached listings).
Priority V:	All other (remaining) owner-occupied property applicants.
Priority VI:	All other (remaining) investor-owned property applicants.

STATUS OF BUILDING IN ORIGINAL FOUR FACE AREAS (CLOSED)
 (01) ARGUELLO PARK: (02) BUENA VISTA: (03) GLEN PARK; (04) GREAT HIGHWAY
 AS OF JUNE 30, 1975

Category	Total	%	Resid	Non		Dwelling Units	
				Resid	Mixed	Total	%
(a) Total Buildings	2988	100.0	2885	32	71	5734	100.0
(b) Insp. Completed	2986	99.9	2883	32	71	5731	99.9
(c) Found Code Viol.	2596	86.9	2511	21	64	5155	89.9
(d) Found Standard	390	13.0	372	11	7	576	10.0
(e) Rehabilitated	2483	82.4	2406	18	59	4998	86.6
(f) Demolished	57	1.8	49	4	4	77	1.4
(g) Total SCC'd*	2930	97.4	2827	33	70	5639	99.3
(d,e,f)							

(d,e,&f)
 *SCC'd-Satisfactory Code Compliance (Found Standard, Rehabilitated & or Demolished)

STATUS OF BUILDINGS IN (CURRENTLY ACTIVE THREE FACE AREAS
 (05) ALAMO SQUARE; (06) BERNAL HEIGHTS; (07) DUBOCE TRIANGLE
 AS OF JUNE 30, 1975

Category	Total	%	Resid	Non		Dwelling Units	
				Resid	Mixed	Total	%
(a) Total Buildings	1611	100.0	1509	29	73	4598	100.0
(b) Insp. Completed	1611	100.0	1509	29	73	4598	100.0
(c) Found Code Viol.	1573	97.6	1476	25	72	4549	98.9
(d) Found Standard	33	2.4	32	1	0	44	1.1
(e) Rehabilitated	969	54.1	917	21	31	2736	51.3
(f) Demolished	28	1.6	25	2	1	41	1.0
(g) Total SCC'd	1030	58.0	974	24	32	2821	53.4
(d,e,&f)							

FACE AREAS 1-7 REHABILITATION LOANS & GRANTS
 (In Thous. of Dollars)

CUMULATIVE THROUGH FISCAL YEARS 1971, 1972, 1973, 1974 & 1975

Service (Sec)	THROUGH		THROUGH		THROUGH		THROUGH	
	June 30, 1972	June 30, 1972	June 30, 1973	June 30, 1973	June 30, 1974	June 30, 1974	June 30, 1975	June 30, 1975
Loan (312)	832	\$9,858.2	964	\$12,716.9	958	\$12,688.7	1028	\$14,009.5
Grant (115)	307	708.6	329	785.0	345	833.4	355	859.9
Total	1139	\$10,566.8	1293	\$13,501.9	1303	\$13,522.1	1383	\$14,869.4

LOANS & GRANTS BY CLOSED & ACTIVE FACE AREAS
 CUMULATIVE THRU JUNE 30, 1975

FACE Areas	Total		Loans		Grants	
	Number	Amount	Number	Amount	Number	Amount
Closed: Areas 1-4	842	\$4,958,952	612	\$4,505,650	230	\$453,302
Active: Areas 5-7	541	9,910,540	416	9,503,850	125	406,690
Total:	1383	\$14,869,492	1028	\$14,009,500	355	\$859,992

PUBLIC IMPROVEMENTS

Part of the City's contribution to the enhancement of the FACE Neighborhoods is in the form of various public improvements, such as street lighting, street trees and street paving, which it installs in the areas. Public utilities assist area beautification by undergrounding overhead wires on key streets in the areas.

PUBLIC IMPROVEMENTS IN AREAS 1-4
(Thru June 30, 1974)

Public Improvement	Number	Lineal Feet*	Initial Estimated Cost (\$Thous)	Cost of Work in Place (\$Thous)	% Complete
Streets	-	5280	\$408.0	\$316.1	100
Curbs & Gutters	-	7920	28.0	22.8	100
Sidewalks	-	7920	31.0	30.6	100
Traffic Lights	13	-	57.0	17.2	100
Street Lights	152	-	217.0	85.2	100
Fire & Police Communications	5	-	0	4.0	100
Street Trees	965	-	111.0	73.7	100
Street Resurfacing	-	547,318*	51.8	51.9	100
Other	-	-	221.0	187.8	100
Total	-	-	\$1,124.8	\$789.3	100

*Square feet for street resurfacing

STATUS - PUBLIC IMPROVEMENTS*
(In Thous of Dollars)
June 1975

FACE Area	Construction Current Est'd Cost	In Place	Engr & Insp Costs	Ttl. Constr & Engr/Insp Costs (Cols(c)+(d))	Street Resurf. Costs*	Total All Costs (Cols(e)+(f))	% Complete
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
(01)Arguello Pk.	\$ 71.0	\$ 70.6	\$ 14.1	\$ 84.7	\$ 16.7	\$ 101.4	
(02)Buena Vista Hts	81.0	80.4	16.2	96.6	3.0	99.6	
(03)Glen Park	556.0	553.2	101.1	654.3	10.3	664.6	
(04)Great Highway	32.0	32.2	6.4	38.6	21.9	60.5	
Total ((01)-(04))	740.0	736.4	137.8	874.2	51.9	926.1	
(05)Alamo Square	131.0	130.5	25.8	156.3	1.3	157.6	
(06)Bernal Heights	265.0	265.3	51.0	316.3	1.5	317.8	
(07)Duboce Triangle	327.0	326.2	64.1	390.3	3.2	393.5	
Total ((05)-(07))	723.0	722.0	140.9	862.9	6.0	868.9	
((01) - (07))	\$1,463.0	\$1,458.4	\$278.7	\$1,737.1	\$ 57.9	\$1,795.0	

*Excludes following tree planting in areas 5-7 by Force account:

Area	No. of trees planted(approx)	\$'s Available	\$'s expended	Remainder unexpended*
(05)Alamo Square	89	-	-	-
(06)Bernal Hts.	79	-	-	-
(07)Duboce Triangle	94	-	-	-
Total (Areas 5-7)	<u>262</u>	<u>\$23,100</u>	<u>\$22,588.28</u>	<u>\$511.72</u>

**Project is 100% complete per Bureau of Street Cleaning & Tree Planting memo of February 13, 1975.

RELOCATION OF FAMILIES AND INDIVIDUALS

Relocation services for persons displaced by FACE Program activities are provided by the Central Relocation Service (CRS) of the San Francisco Redevelopment Agency. Since the inception of the FACE program, families and individuals have been relocated in the seven areas due to either the extensiveness of the rehabilitation and/or rent increasing 10% of more. As of January 31, 1975 Rent Increase is no longer grounds for eligibility under HUD regulations/Uniform Relocation Act.

Requests for Relocation

(Sent to CRS)

All FACE Areas

(By number of cases)

FACE Area	Number of Requests	Reasons for Relocations (Number of cases)			
		Rehabilitation	Demo-lition	Rent Increase	Other*
(01) Arguello Park	12	12	0	0	0
(02) Buena Vista Hgts.	9	9	0	0	0
(03) Glen Park	4	2	2	0	0
(04) Great Highway	11	8	3	0	0
Total (01-04)	36	31	5	0	0
(05) Alamo Square	142	99	9	5(4)	29
(06) Bernal Heights	71	70	0	1	0
(07) Duboce Triangle	68	61	0	1(3)	6
Total (05-07)	281	230	9	7(7)	35
Total (01-07)	317	261	14	7(7)	35

() Represents those cases where rent increases were a secondary cause of displacement.

* This category includes those displacements resulting from life hazards, health hazards and overcrowding.

Relocations Thru June 30, 1974 (as reported by Central Relocation Services)

	Total Cases	Families	Individuals	Businesses
(1) Net estimated workload in original applications	547	187	357	3
(2) Total in workload to June 30, 75	253	144	106	3
(3) Total removed from workload thru June 30, 1975	236	138	95	3
(4) In workload, end of period (June 30, 1975)	17	6	11	0

FACE FEDERAL GRANT FUNDS
(In Thous of Dollars)

A-Actual Amount

C-Cumulative Amount

Amend- ment/ Budget	Contract/ Date of Approval	Amendment/Ltr Purpose	Area Cov'd	Time Frame (to)	Grants (\$) Approved in Budget				Sec 312 loans		
					Total	Code	Enf	Reloc	Rehab	Date*	No.* \$'s
Basic Contract & Budget #1	11/30/66	Authorized FACE in Areas 01-04 & Sec 117/114 funds	01-04	9/69	A/C2,646.7	Sec 117 \$2,560.7	Sec 114 \$ 86.0	Sec 115 \$0	-	-	-
Amend 1 & Budget 2	7/7/67	Authorized/ provided Sec 115 funds	01-04	9/69	A(+)337.5 C2,984.2	0 2,560.7	0 86.0	337.5 337.5	-	-	-
Amend 2 & Budget 3	6/27/69	Incr. funds & Added areas (05) (07)	01-07	9/69	A(+)817.5 C3,801.6	(+)424.5 2,985.1	+148.7 234.6	+244.4 581.9	6/69	369	\$3,179.7
Amend 3 & Budget 4 & 4A**	12/11/69	Changed Bernal Hts. Boundary No funds in- volved	05-07	01-04: 6/70	A1,000.0 C4,801.6	+972.5 3,957.7	-86.7 147.9	414.2 696.1	6/70	A296 C665	\$1,843.8 \$5,023.5
				05-07: 5/72	A 0 C4,801.6	0 3,957.7	0 147.9	0 696.1	6/71	A83 C748	\$2,767.6 \$7,791.1
				05-07: 3/73	A+1,800.0 C6,601.6	1,600.0 5,557.7	0 147.9	+200.0 896.1	-	-	-
Amend 4 & Budget 5	7/30/70	Amended boundary of Alamo Square (inc. Freder- erick Douglas Plaza)	05-07	01-04: 6/70 05-07: 3/73	A+1,800.0 C6,601.6	1,600.0 5,557.7	0 147.9	+200.0 896.1	-	-	-
Amend 5 & Budget 6	4/30/71	Changed fi- nancing amts & changed boundaries of all areas ex- cept Bernal	05-07	3/73	A+824.6 C7,426.2	+169.0 5,726.7	+655.6 803.5	0 896.1	-	-	-

(Continued next page)

*Only representative dates shown. Actual (A) amount is increased since previous date.

**Budget 4A only adjusted funds between line items within approved budget.

A-Actual Amount (from previous period) FACE FEDERAL GRANT FUNDS
C-Cumulative Amount (from beginning to date) (In Thous of Dollars)

(Continued)

Amendment/ Budget	Contract/Amendment/Ltr Date of Approval	Purpose	Area Covered	Time Frame (To)	Grants (\$) Approved in Budget				Sec 312 Loans	
					Total	Code	Enf	Reloc	Rehab	Date No. \$'s
Amend 6 & Budgets 7 & 8*	3/2/72	Adjustments in funding & reloc. rts/assurances	05-07	3/73	A 0 C7,426.2	0 5,726.7	0 803.5	0 896.1	-	-
			05-07	6/73	A 0 C7,426.2*	0 5,726.7*	0 803.5	0 896.1	6/72	A 84 \$2,067.1 C832 \$9,858.2
Amend 7 & Budget 8	9/6/72	Providing a Grant equal to 2/3's of the actual cost of the program or \$6,530 whichever is less; indicated the relocations' assurances as being satisfactory; placed a ceiling of \$803.5 for relocation payments with HUD approval necessary to exceed that limit.		6/73	(Same as Budget #8)					
Ltr Amend 6 Budget 8	6/29/73	Extending the project to 6/30/74	05-07	6/74	(Same as Budget #8)				6/73	A132 \$2,858.0 C964 \$12,716.9
HUD Msg (FAX)	11/27/73	Approved the use of \$243,463 of the 10% holdback**	05-07**	6/74	(Same as Budget #8)				-	-
Amend 8 Budget9	10/4/74	Auth fds to cover remaining activities in areas 5,6&7	05-07	1/75	A 420.0 C7,846.2	420 6,146.6	0 803.5	0 896.1	6/74	\$12,688.7
Amend 9 Budget 10	2/3/75	Auth fds to cover remaining activities in areas 5,6&7	05-07	6/75	A 470.0 C8,316.2	470 6,616.6	0 803.5	0 896.1	6/75	\$14,009.5

*Budget #8 did not increase or decrease budgeted funds - only involved adjustments in Sec 117 (Code Enforcement) line items.

**Only FACE Areas 5-7 are active; areas 1-4 (under same basic contract with areas 5-7) were closed out in 1970. However, HUD had not allowed expenditure/obligation of 10% (called "holdback") of the Sec 117 (Project Cost) funds (10% of \$5,726,666 = \$572,666 holdback). As result of City's request, HUD released \$243,463 of \$572,666, based on completion of areas 1-4 and the HUD Area Director's recommendation that the balance (of the 10%) withheld (\$329,203) would be sufficient to meet any possible differences at time of final closeout of areas 5-7 and final audit. The \$243,463 was used for FACE Sec 117 administrative/operating costs for period November 27, 1973 to about April 1, 1974. With receipt of additional Sec 117 code enforcement grant funds in the amount of \$890,000 during FY 74-75, a total of \$441,053 in "holdback" funds remain as of June 30, 1975.

***Reductions during FY 1973-74 due to cancellations and other adjustments. There were only 3 loans for \$45,750 approved during the period (August 1973).

ABATEMENT ACTIVITIES	FISCAL YEAR			
	1972	1973	1974	1975
Cases on hand	2243	2787	3318	3522
Cases logged in	982	1031	619	350
Initial Inspections	601	640	453	181
Reports mailed	460	526	420	319
Cases sent to Director's Hearings. .	640	549	736	314
Abatement Appeals Board				
Filed	383	282	209	170
Decisions Rendered	386	333	166	163
Cases referred to City Attorney . .	229	414	185	223
Complaints Closed	438	403	415	409
Complaints unjustified & closed .	121	0	11	0
Buildings Restored	346	323	334	358
Buildings Demolished	71	80	70	51
Cases on Hand end of Fiscal Year	2787	3318	3522	3469

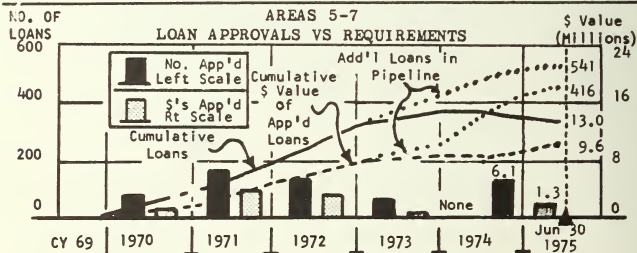
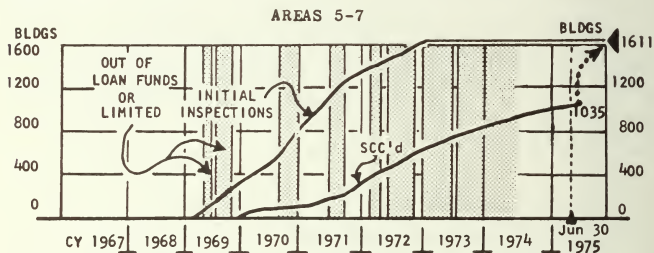
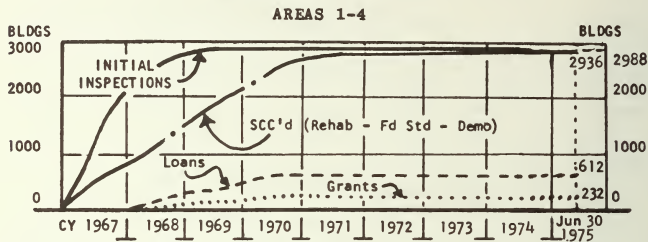
The City Attorney, on a work order basis, has provided legal services to FACE equivalent to one full time Deputy City Attorney and a legal stenographer. Also, but not on a work order basis, legal services are provided for other Abatement cases (in addition to FACE). In cases upheld by the Director and the AAB, and in which the owner does not comply with their decision, they are referred to the City Attorney's office for legal action.

Abatement Cases in Office of
City Attorney
FY 73-75

	Cases Filed		Cases Terminated		Remaining Workload		
	Total	FACE	Total	FACE	Total	FACE	%
June 1973	414	114	203	43	714	161	22
June 1974	185	25	175	36	734	150	20
June 1975	207	36	184*	40	705	145	21

*184 Cases: Rehabilitated 112
Demolished 37
Unjustified/closed 35

FACE PROGRESS
INSPECTIONS - SCC'S - LOANS/GRANTS
THRU JUNE 30, 1975



REHABILITATIONS - CODE COMPLIANCE

Privately - Federally Funded

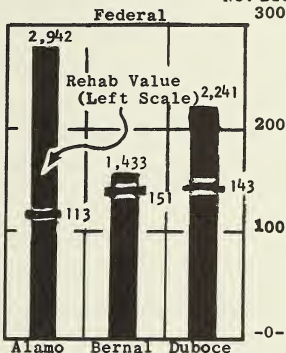
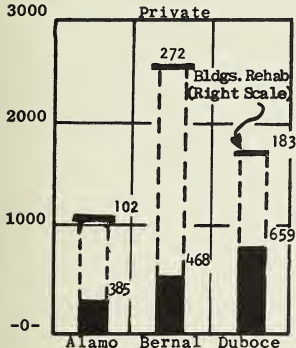
Thru June 30, 1975

\$ Thous.

No. Bldgs.

3000

300



AVERAGE COST/BUILDING AND DWELLING UNIT

Private and Federally Funded

Thru June 30, 1975

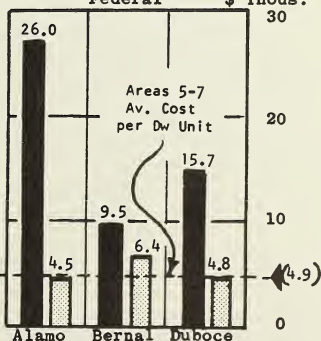
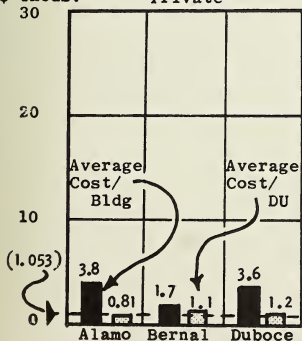
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Federal

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30

30



ORGANIZATION RELATIONSHIPS
MAINTENANCE - REPAIR - OPERATION
1974 - 75

DIRECTOR OF PUBLIC WORKS
S. MYRON TATARIAN

ASST. DIRECTOR FOR MAINTENANCE & OPERATION
KEENO FRASCHINA

BUREAU OF WATER POLLUTION CONTROL
J. CRAFTS, SUPERINTENDENT

FUNCTIONS

1. Maintain and Repair Sewage System
2. Operate and Maintain 17 Sewage Pump Stations
3. Operate and Maintain 3 Sewage Treatment Plants and 1 Storm Overflow Facility
4. Conduct Water Pollution Surveys

PERSONNEL ALLOWANCE

(a) Budgeted : Funded	229	232
Unfunded	3	
(b) Non-Budgeted		27
(c) Assigned from other Departments		4
(d) Contract Employees on Hired Trucks		4
TOTAL		267

Budgeted by Bureau \$9,137,749

BUREAU OF STREET REPAIR
G. D. WEAVER, ACTING SUPERINTENDENT

FUNCTIONS

1. Maintain and Repair Public Streets
2. Operate and Maintain 3 Lift Bridges
3. Operate and Maintain Asphalt Plant
4. Operate Granite Curb Yard
5. Operate and Maintain Broadway Tunnel
6. Operate and Maintain Underpasses and Overcrossings
7. Maintain and Repair Certain Street Structures
8. Perform Work for other Bureaus and Departments by Work Order

PERSONNEL ALLOWANCE

(a) Budgeted	162
TOTAL	162

Budgeted by Bureau \$3,961,954

SUMMARY: Total Funded Personnel Allowance 1,175
 Total Budgeted, plus Reimbursements \$29,872,584

BUREAU OF BUILDING REPAIR
J.S. RUTHERFORD, SUPERINTENDENT

FUNCTIONS

1. Maintain and Repair Certain Public Buildings
2. Provide Maintenance and Repair Services and Personnel on an Interdepartmental Basis to other City Agencies
3. Provide Operating and Custodial Personnel in Certain Public Buildings
4. Conduct Engineering-Architectural Surveys and Prepare Reports on Certain Public Buildings
5. Paint Street Traffic Striping and Markings on Work Order Basis
6. Repair Certain Street Structures and Sidewalks Fronting on City Property
7. Maintain Street-Name Signs on Work Order Basis

PERSONNEL ALLOWANCE

(a) Budgeted: Funded	393	399
Unfunded	6	
TOTAL		399

Budgeted by Bureau	\$ 6,231,954
Funds from other Bureaus	\$ 4,225,659
TOTAL	\$10,457,613

BUREAU OF STREET CLEANING AND PLANTING
B.M. CROTTY, SUPERINTENDENT

FUNCTIONS

1. Clean Public Streets including Pedestrian and Vehicular Overhead and Underground Structures and 215 Stairways
2. Control Weeds on Unimproved Streets
3. Operate 19th Avenue Garage, Sunset Boulevard Office and Storeroom and Nursery at Southeast Water Pollution Control Plant
4. Maintain 177 Acres of Landscaping and 20,000 Street Trees
5. Promote and Coordinate Litter Control Programs and Tree Planting Programs Independently and in Cooperation with Various Groups and Committees
6. Provide Technical Horticultural Assistance to Engineers, Architects and Builders
7. Operate Department of Public Works Radio Station KME 327 (62 Mobile Units)
8. Maintain 19 Neighborhood Off-Street Parking Lots and 2 Garages: Cleaning, Landscaping and Repair
9. Plan, Budget, Coordinate and Administer:
 - A. Summer Youth Program; over 700 People Employed at Cost of \$698,000
 - B. Organic Gardening Program at 50 Locations
 - C. CTTA Program: 120 Employed

PERSONNEL ALLOWANCE

(a) Budgeted	355
(b) Assigned from other Bureaus	1
TOTAL	356

Budgeted by Bureau	\$6,314,968
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MAINTENANCE AND OPERATION BUREAUS

Keeno Fraschina

Assistant Director of Public Works, Maintenance and Operations

GENERAL

All maintenance and operational functions of the Department are centered in the four bureaus of Building Repair, Water Pollution Control, Street Cleaning and Tree Planting, and Street Repair, with a total of 1,175 employees. Subsequent sections of this report indicate functional and organizational relationships of these bureaus, both internally as well as departmentally.

Total budgeted personnel of the several bureaus decreased by 21 positions from the last fiscal year. The Bureau of Building Repair lost 9 positions (3 deleted, 6 unfunded), the Bureau of Street Repair lost 9 positions, and the Bureau of Water Pollution Control lost 3 positions (unfunded). The apparent loss of 4 positions in the Bureau of Water Pollution Control and 1 position in the Bureau of Street Repair are to correct for duplication of positions budgeted in other bureaus but assigned to these bureaus. As in the last few years actual employments were considerably less than budgeted positions because of the continuing City policy of not replacing personnel as vacancies occur and the slowness of Civil Service in filling authorized positions.

Commencing in mid January, 156 temporary trainees financed by Federal funds under the Comprehensive Employment and Training Act (CETA) were made available. Of these, 120 were assigned to the Bureau of Street Cleaning and Planting, 22 to the Bureau of Building Repair, 13 to the Bureau of Water Pollution Control, and 1 to the Bureau of Street Repair. Although there was some loss by attrition in the balance of the year, these employments were of considerable assistance. In particular, the Bureau of Street Cleaning and Planting was able to provide a much higher level of street cleaning and landscape maintenance than has been possible in the past few years, and the number of complaints from the public of poor service dropped dramatically.

With decrease in the available work force and with budgeted maintenance funds continually falling behind skyrocketing costs, there has been an inevitable and serious erosion in maintenance levels and services to the public which can be provided. While no monetary value can be placed on the widening maintenance gap, there is no doubt that future replacement and reconstruction costs for under-maintained facilities will be much greater than if they had been properly kept up.

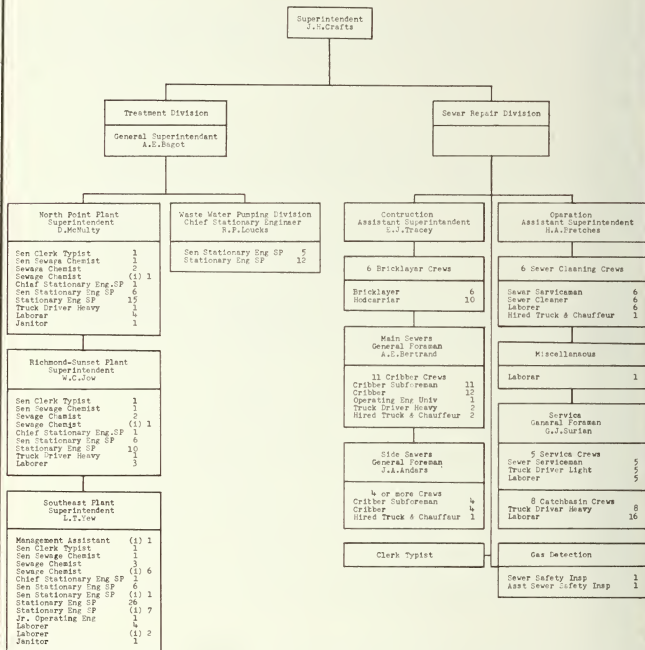
The Bureau of Street Cleaning and Planting this year again organized a Summer Youth Program to employ disadvantaged youth as it has in the past four years. Work was necessarily restricted to street related activities since funding was from Gas Tax/Road Fund monies. The program again proved advantageous to both the youth engaged and to the City. To the youth it offered an opportunity for constructive work and a feeling of accomplishment for a job well done. To the City, it provided an opportunity to undertake and to complete many minor but necessary tasks that otherwise could not have been done with the manpower available.

EXPENDITURES

Expenditures by Maintenance and Operation Bureaus amounted to \$23,556,364 from budgeted appropriations and \$4,225,659 from funds received by work order, or a total of \$27,782,023. A breakdown of expenditures and per capita costs follows:

	Total Expenditures	Per Capita Cost Based on 1970 Census of 715,674
Street Repair	\$3,626,549	\$ 5.07
Water Pollution Control	8,582,548	11.99
Building Repair	10,213,407	14.27
St. Cleaning & Planting	5,359,519	7.49
Total	\$27,782,023	\$38.82

ORGANIZATION CHART
BUREAU OF WATER POLLUTION CONTROL
DEPARTMENT OF PUBLIC WORKS
JUNE 30, 1975



(1) Interdepartmental

BUREAU OF WATER POLLUTION CONTROL

J. H. Crafts, Superintendent

The Bureau of Water Pollution Control maintains 900 miles of sewers and operates 17 pumping stations, one storm water overflow treatment plant, and three treatment plants. To perform these tasks the Bureau is divided into three divisions: Sewer Repair, Wastewater Pumping, and Treatment.

During the year the Bureau had 232 budgeted and 27 non-budgeted employees, supplemented by 4 hired truck drivers with their vehicles and 11 maintenance personnel assigned from other City departments and bureaus.

The bureau spent \$8,741,836 in budgeted funds as distributed in Chart I. Budgeting for the City's industrial waste control and sewer service charge programs was transferred to the Bureau of Engineering of the Department effective July 1, 1974. The Treatment Division continued to provide laboratory support services for the industrial waste program. In addition, the Sewer Repair Division spent \$257,151 on side sewers paid for by property owners and \$22,071 on other work by work orders from other departments.

Total rainfall for the year was 16.54 in. compared with average annual rainfall of 20.57 in. Although the rainfall was less than the 24.33 in. recorded in fiscal year 1973-74 there was no significant effect on total wastewater pumped and treated. In addition, there were no extraordinary storm caused sewer failures during the year.

SEWER REPAIR DIVISION

The Sewer Repair Division cleans, repairs and make minor additions to main sewers and related structures; installs and repairs side sewers paid for by property owners; tests sewers for oxygen deficiency and potentially explosive and toxic gasses; and controls mosquitos in catchbasins.

The Division has 109 budgeted employees on main sewer work, eight non-budgeted employees (12 are authorized) for side sewer installation and repair paid for by property owners, and four hired trucks with drivers to assist in both activities.

Unfunded positions were a bricklayer and a hodcarrier. This reduced the number of bricklayer crews working in brick main sewers from 3 crews to 2 crews. In 1973-74, 9,674 lineal feet of brick main sewer was repaired with 3 crews and in 1974-75 6,428 lineal feet was repaired with 2 crews. This is a reduction of 33%.

Work units or groups are as shown in the organization chart. Details on unit functions, methods of operation, and equipment used are the same as described in the 1956-66 Annual Report. While many of these groups frequently assist each other, the material trucks, digging unit, and compressor unit are almost entirely subsidiary as their principal function is to assist other units.

The continuing City policy of not filling positions vacated by retirement, death, or promotion seriously affected Division productivity. This was especially noticeable in catchbasin cleaning operations where levels of activity have had to be reduced considerably below previous years when this policy was not in effect.

The lineal feet of main sewers cleaned increased 60%. This is primarily attributed to a new hydraulic sewer cleaning machine which was assigned to cleaning of pipe sewers for the Bureau of Engineering T. V. Inspection program. Some increase was also due to Sunday cleaning of main sewers in downtown locations which are inaccessible during week days due to heavy traffic. Eductor crews and bricklayer crews also worked Sundays during the same period which was from April 20, 1975 to June 29, 1975.

The Division received 4,481 telephone complaints during the year. The activities of the work units are summarized in Chart II. The work done by the service units is shown below.

SIDE SEWER	No. Calls	Percent	
Relieved clogged side sewer	1,789	14.0	
Unable to relieve side sewer	487	3.8	
Found side sewer broken	120	0.9	
Found trouble inside property	102	0.8	
Determine if side sewer exists	1	0.0	
Examine for crew on job	18	2,517	0.1 19.6
MAIN SEWER			
Investigation to find cause of problem	923	7.2	
Relieved clogged main sewer	42	0.4	
Unable to relieve main sewer	62	0.5	
Found main sewer broken	190	1.5	
Examine for crew on job	53	0.4	
Wet down backfill	0	1,270	0.0 10.0
CATCHBASINS AND MANHOLES			
Remove obstruction	490	3.8	
Replace cover	212	1.7	
Silence noisy cover	169	1.3	
Catchbasins & manholes found broken	30	0.2	
Unable to relieve catchbasin	101	1,002	0.8 7.8

DEPRESSIONS

Investigation to find cause	907	7.0		
Not caused by sewers	772	6.0		
Caused by sewers	194	1,873	1.6	14.6

MISCELLANEOUS

Service lights & barricades	5,210	40.8		
Investigate seepage & leaks	68	0.5		
Clean pump station	182	1.4		
Deliver materials to job	491	3.8		
Not classified	186	1.5		
Remove deposits from sidewalk	8	0.0		
Mosquitos	8	6,153	0.0	48.0
Total	12,815			100.0

Of the total number of depressions investigated only 25% were caused by sewers and the remaining 75% were due to other utilities or unknown sources.

There were not any unusual storms or major sewer failures during the year.

WASTEWATER PUMPING DIVISION

The Wastewater Pumping Division operates and services one storm water overflow treatment plant and 17 wastewater pumping stations and has 18 budgeted employees. In addition, a half time electrician is provided by the Bureau of Building Repair on work order. The Division expenditures and costs are shown in Chart III.

The Baker Street Dissolved Air Flotation Facility, which is designed to treat 24 million gallons per day of sanitary waste and storm water overflow from the surrounding drainage district, was operated during periods of rain as a primary type plant with post chlorination.

Sixteen pump stations are designed to handle normal dry weather sanitary flow plus the runoff from a rainfall of 0.02 inch per hour. The Tennessee Street station, however, has no bypass and must handle not only the sanitary flow but also all storm runoff from its tributary area. The Lake Merced station is equipped with variable speed pumps whose speed is matched to the rate of flow by a combination of electrical controls and pneumatic sump level sensors. The other stations are equipped with fixed speed pumps operated intermittently and in varying combinations to match the incoming flow. Pump operation is controlled by switches which function at fixed sump levels. At 10 stations these switches are activated by floats and at two stations by pneumatic level sensors. Automatic influent throttling gates at the Drumm Street, Fourth Street North, Lake Merced, Marina, Sea Cliff No. 2 and Yosemite stations permit them to operate at full capacity during storms.

The stations are serviced by four two-men roving crews on a 24-hour per day, seven day week schedule. In addition, the Sea Cliff No. 2, the Marina, and the Drumm Street stations each are tended by a full-time man, five days a week. The first two stations require this attention because of their age and the critical nature of the areas they serve. The Drumm Street station still receives considerable construction debris which must be removed from the sump during the work week. Also, this station has no emergency overflow and it is necessary to start and service the emergency diesel generator set every four days in order to check its reliability. A power breakdown here could cause flooding in major downtown buildings served by this facility.

Major maintenance work at the stations include the following:

Drumm Street	Rebuilt sand pump. Replaced #2 and #3 sewage pumps.
Fourth Street South	Repaired pump #1 and #2.
Fulton Street	Repaired pump #1 and overhauled Clayton valve for seal water tank.
Hunters Point	Repaired pump #1.
Lake Merced	Rebuilt pumps #1 and #2.
Mariposa Street	Installed new gate valve on influent line.
Sea Cliff #1	Rebuilt exhaust fan motor.
Sea Cliff #2	Installed new starters and controls for main pumps.
Vicente Street	Installed new electric power service to station.
Yosemite Avenue	Repaired pump #1.
Baker Street DAF	Repaired reduction gear unit. Installed new outside light units.

TREATMENT DIVISION

The Treatment Division operates and maintains the North Point, Richmond-Sunset, and Southeast treatment plants, and monitors water quality in the bay and ocean.

The Division has 105 budgeted and 19 interdepartmental employees working at the three plants. They are supplemented by two electricians and two painters budgeted by the Bureau of Building Repair, two gardeners provided by work order from the Bureau of Street Cleaning and Tree Planting, four machinists provided by work order from the Purchasing Department, and one half-time electrician provided by work order from the Bureau of Building Repair.

Treatment activity is shown in Chart IV. Cost of operation was \$5.92 per capita for the year based on a tributary population of 950,000. This number is an estimate derived from the City Planning Department's projections of peak day and night population and agrees with similar figures developed by the Bureau of Engineering.

Both the North Point and Southeast plants were operated as advanced primary plants using ferric chloride and anionic polymer to treat the wastewaters.

The following major maintenance work was done:

NORTH POINT PLANT

Bar Racks: Replaced 3/4" screens in #1 and #2 bar racks.
Replaced hoppers on bar racks #1 through #4.
Grit System: Replaced chain and shoes in #1 grit tank.
Lift Station: Overhauled A and E main lift pumps and motors.
Painting: Painted all handrails and piping to conform to Cal/OSHA standards.
Water System: Replaced #2 water system at Station #1.

RICHMOND-SUNSET PLANT

Digestion: Dewatered and cleaned 80 ft digester; repaired roof on 100 ft digester.
Grit System: Modified grit tank air system for improved scum control
Lift Station: Overhauled #2 sewage lift pump.
Samplers: Renovated automatic samplers, relocated raw sewage sampler, replaced effluent sample pumps.
Sedimentation: Renewed flights, wearing shoes, collector drives, bearings, brackets and chain as needed in sedimentation tanks #1 through #5.
Vacuum Filtration: Replaced screens on south vacuum filter. Replaced sludge mixing chambers
Ventilation: Renewed duct work and exhaust fan in sludge control station

SOUTHEAST PLANT

Bar Rack: Renewed rollers, cage rollers, and bearings, on bar rack screenings conveyor.
Digestion: Overhauled two gas compressors.
Elutriation: Renewed chain, flights, wearing shoes, rails, sprockets, and spray water piping in elutriation tanks #3, #4, and #7.
Grit System: Replaced flight wearing shoes in south grit tank.
Lift Station: Overhauled #3 and #4 main lift pumps and motors.
Salt Water Pumping: Overhauled #1 and #2 salt water pumps effluent booster station.
Sedimentation: Renewed all flights, and wearing shoes in #1 sedimentation tank. Renewed rotors and stators of two sludge drawoff pumps in #2 sedimentation tank.
Vacuum Filtration: Renewed trunion bearings on #1 and #2 coil vacuum filters. Rebuilt vacuum pumps #1 and #4.

New installations include the following items:

RICHMOND-SUNSET PLANT

Installed new gas line and an additional gas meter in digester control station.

Installed new supernatant pump in raw sludge thickening system.

SOUTHEAST PLANT

Installed new coil vacuum filters #3 and #4.

Installed new vacuum filter polymer sludge conditioning system.

Installed new vacuum filter control room and automatic control system.

Installed new suction and dumping lines in north and south grit tanks.

Converted digesters #1 through #5 from sludge to gas recirculation type.

Installed new south filter cake storage hopper.

Special laboratory projects completed or in progress were as follows:

COMPLETED:

Analysis of raw sewage to evaluate concentrations of various chemicals of interest to the City Industrial Waste Program.

CONTINUING:

Optimization of chemical dosages used for wastewater treatment.

Investigation of coagulant systems procedures and materials for vacuum filtration.

Pesticide and nutrient analysis of plant effluents

Sanitary surveys of Bay and shoreline waters.

Organizing a laboratory quality assurance program following the State Health Department and E. P. A. guidelines.

Chart I

Bureau of Water Pollution Control
Budget Expenditures
1974-75

	Wastewater Treatment	Wastewater Pumping	Sewer Repair
PERSONAL SERVICES			
Permanent Salaries*	\$350,173		\$180,083
Overtime*	235		4,484
Holidays	227		2,768
Wages (per diem)	1,817,532	\$326,170	1,540,932
Fringe Benefits	355,823	66,213	370,801
Interdepartmental	76,423		
Sub-Total	2,600,413	392,383	2,099,068
CONTRACTUAL SERVICES			
Power and Gas **	159,288	38,713	
Plant Equipment	601,359	42,463	
Field Equipment	7,239	1,984	66,170
Sludge Disposal	347,127		
Industrial Waste Control	16,617		
Quality Monitoring	52,604		
Landscape Maintenance	35,822		
Miscellaneous Services	9,010	2,812	35,192
Overflow Monitoring Program	111,631		
Hired Trucks			70,589
Service Charge Program	429,432		
Special Maintenance and Operations	383,654		
Sub-Total	2,153,784	47,259	171,951
MATERIALS and SUPPLIES			
Replacement Parts	101,944	4,744	1,726
Field	925		104,260
Plant	45,297	4,186	
Fuel and Lubricants	7,643	3,234	23,858
Treatment Chemicals	848,508	2,352	
Sub-Total	1,004,317	14,516	129,844
EQUIPMENT	28,916		99,385
Total	\$5,787,430	\$454,158	\$2,500,248

* Monthly Employees

**In Public Utilities Commission Budget

Chart II

**Sewer Repair Division
Work and Cost Distribution
1974-75**

Work Unit	Work Done	% of Time	Total Cost (a)	Unit Cost (a)
1 Sewer cleaning	439,279 Lineal ft cleaned Other work	100.0 0.0	\$240,830 0	.55 \$240,830
2 Eductor operations	9,390 Catchbasins cleaned Other work	41.4 58.6	110,885 156,812	11.81 267,697
3 Services	4,990 Complaints serviced Other work	45.7 54.3	117,923 140,095	23.63 258,018
4 Main pipe sewers	4,819 Lineal ft repaired at 454 locations	100.0	447,669	92.90
5 Brickwork	6,433 Lineal ft brick sewer repaired 1 Catchbasins constructed 3 Man holes constructed 630 Catchbasins repaired 265 Manholes repaired	64.4 .5 .6 23.9 10.6	117,931 731 1,220 43,715 19,432	18.33 731.00 406.67 69.38 73.33
6 Gas detection	806 Manholes tested Other work	9.5 90.5	2,492 23,809	3.09 26,301
7 Miscellaneous			231,435	
Total budgeted work			1,654,979	
8 Work orders (b)			22,071	
9 Side sewers (c)	120 Installations 133 Repairs 21 Connections		132,490 109,573 15,088	1,104.08 823.86 718.48
Grand Total			1,934,201	

(a) Costs do not include supervision.

(b) Repairs for other bureau or departments.

(c) Paid for by property owners.

Chart III

**Waste Water Pumping Stations
Expenditures and Cost Data
1974-75**

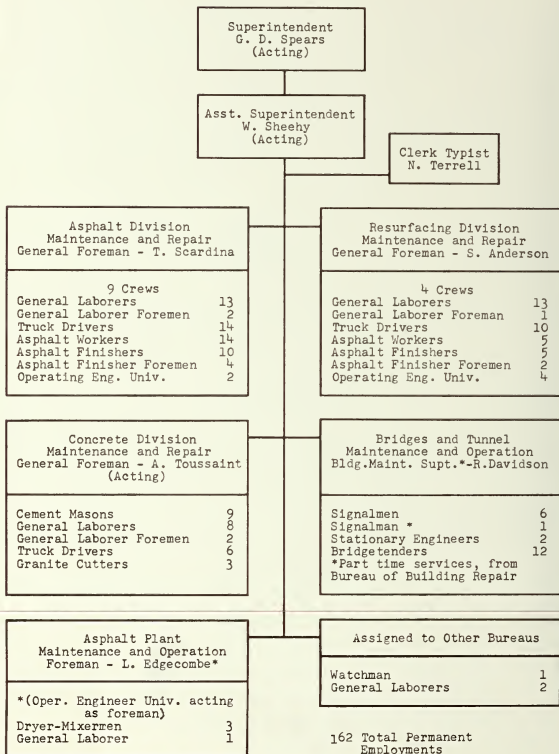
Location	Drainage Area In Acres	Million Gallons Pumped	Salaries	Maintenance	Power	Materials Supplies	Equipment	Total	Cost Per Mil Gal Pumped
General					\$1,391*			\$ 1,391	0.14
Drum Street	332	1,809	\$70,034	\$ 8,014	4,960	\$ 1,681		84,689	46.82
Fourth Street North	138	1,939	75,067	8,590	6,555	1,601		92,013	47.45
Fourth Street South	25	69	2,671	306	412	64		3,453	50.04
Fulton Street	82	59	2,284	261	598	55		3,498	59.29
Hunters Point	90	108	4,181	478	554	100		5,313	49.19
Hyde Street	14	60	2,323	266	464	56		3,109	51.82
Lake Merced	930	723	27,990	3,203	4,113	672		35,978	49.76
Marina	1,125	2,880	111,497	12,758	6,341	2,676		133,272	46.28
Mariposa Street	117	219	8,478	970	1,423	203		11,074	50.57
Palace of Fine Arts	2	16	619	71	56	15		761	47.56
Pinelake	3	4	155	18	254	4		431	107.75
Sea Cliff #1	4	7	271	31	51	6		359	51.29
Sea Cliff #2	84	104	4,026	461	2,357	97		6,941	66.74
Tennessee Street	2	12	465	53	182	11		711	59.25
Twentieth Street	27	36	1,394	159	437	33		2,023	56.19
Vicente Street	52	102	3,950	452	922	95		5,419	53.13
Yosemite Avenue	1,277	1,837	71,118	8,138	5,498	1,707		86,461	47.07
Totals	4,304	9,984	\$386,523	\$44,229	\$36,868	\$9,276		\$476,896	47.77
Baker Street Storm Overflow Facility	187		\$ 5,860	\$ 3,030	\$ 1,486	\$5,240		\$ 15,616	
Total Expenditures			392,383	47,259	38,354	14,516		492,512	

* Maintenance Shop (\$1386) and 24th Avenue and Lake Street Gate (\$55) power bills included in general costs

	North Point	Richmond Sunset	Southeast
1. Wastewater Treatment			
Flow, million gallons			
Total (a)	23,272.1	8,382.1	7,715.1
Avg day (a)	63.8	23.1	21.2
Avg day, dry weather (b)	60.9	22.0	19.9
Max day, wet weather	107.0	34.2	35.2
Max day, dry weather	61.6	23.5	27.2
Max rate, wet weather	161	59	47
Max rate, dry weather	102	39	42
Screenings, cu ft			
Total	38,204	13,757	31,612(c)
Max day	278	125	351
Per million gallons	1.6	1.6	4.1
Grit, cu ft	36,914	55,558	
Max day	594	475	
Per million gallons	1.6	6.6	
Grit and Screening hauling, trips	584	514(d)	310
Chlorination, lb			
Pre (e)	550,630		160,100
Post	1,772,820	989,530	2,271,883
Total	2,323,450	989,530	2,431,983
Mg per liter	13.3	14.7	37.8
Dechlorination (f)			
Sulfur Dioxide lb	33,590		
Treatment Chemicals			
Ferric Chloride, lb	2,802,250		1,379,944
Anionic Polymer, lb	33,590		15,286
Solids Removed, M lb (dry)	30,150	8,477	24,748(g)
2. Sludge Processing			
Sludge Solids, M lb (dry)			
To digesters		8,477	53,189(h)
Filter cake		2,120	24,573(i)
Digester, Gas Produced, M cu ft			
Total		62,508	251,768
Avg day		171	690
Vacuum Filtration Chemicals			
Ferric Chloride, lb		136,308	
Ferric Chloride, % filter cake		6.4	
Solid Polymer, lb			102,180
Solid Polymer, % filter cake			0.42
Filter cake hauling to parks, trips		254	
3. Power and Gas Purchased			
Power, total kwh	6,081,600	2,423,600	7,169,252
Power, avg, kwh/Mo	506,800	201,967	597,438
Natural gas, total therms	85,074	10,386	69,178
Natural gas, avg therms/Mo	7,090	866	5,765

- (a) For 364.4 days North Point; 364.6 days Richmond-Sunset; 364.0 days Southeast.
 (b) Excluding days with .01 inch or more rain and dry days following days with .05 inch or more rain.
 (c) Combined screenings and grit; discharged into a common bin.
 (d) Greater than normal due to cleaning of 80 foot digester.
 (e) Prechlorination for odor control as needed.
 (f) Dechlorinated 630.6 mil gal effluent.
 (g) Includes recirculating load from sludge processing overflows.
 (h) Includes North Point raw sludge.
 (i) On wet basis 54,321 tons hauled to sanitary fill.

ORGANIZATION CHART
BUREAU OF STREET REPAIR
CITY AND COUNTY OF SAN FRANCISCO
JUNE 30, 1975



BUREAU OF STREET REPAIR

G. D. Spears, Superintendent

FUNCTIONS

The major part of the activities of the Bureau of Street Repair concerns the routine maintenance and repair of the City's streets and appurtenant structures, the maintenance & operation of three lift bridges, an asphalt plant, the Broadway Tunnel, the Army Street Circle, the Geary - Fillmore Underpass, the Geary - Masonic Underpass and several pumping stations. Minor work other than routine maintenance and repair is performed by order of the Director of Public Works. A considerable amount of paving is done for other bureaus or departments.

Routine work includes the maintenance and repair of streets, gutters, curbs, certain sidewalk areas, center islands, retaining walls, public stairways, pedestrian underpasses and overpasses, guard rails and fences. This Bureau also maintains a City dump and a granite curb yard.

Work ordered by the Director of Public Works includes traffic channelization, minor street alterations, minor construction and emergency work for the protection of the City and/or the public.

Work performed for other departments or bureaus includes the repair of pavements in Municipal Railway track areas, bus and street car yards, the repaving of trenches opened by the Bureau of Water Pollution Control, the repair of certain state highways within the City and the yards of other city institutions. The Bureau also performs other services of a varied nature.

The City's charter provides that repair or reconstruction on any one job shall not exceed a cost of \$5,000. It also prohibits work on unaccepted streets, except in emergency, and on sidewalks in front of private property. Unaccepted streets are those streets that have not been properly improved and officially accepted for maintenance and repair by the City.

Activities are further limited by state law governing the expenditure of monies from which the Bureau is financed.

(Collier - Burns Highway Act of 1947, as amended,
and the Collier - Unruh Local Transportation
Development Act of 1963.)

Maintained road mileage is as follows:

County Roads including Select System	843.20 miles
State Highways (by maintenance agreements)	10.32 miles

Total 853.52 miles

Inasmuch as San Francisco is a combined city and county, its street and road system are one and the same.

ORGANIZATION AND PERSONNEL

The basic organization of the Bureau remained about the same as for the previous year. The only significant change was a reduction in crews because of a lack of personnel.

During the year a civil service list for Asphalt Finishers was established. Four vacancies for Asphalt Finisher were filled permanently. Five other permanent positions were also filled and two limited tenure positions.

Lost time injuries during 1974-75 totaled 14, as opposed to 8 in 1973-74, 15 in 1972-73, and 13 during 1971-72.

An organization chart as of June 30, 1975 accompanies this report.

SUPERVISION

The Administrative Team consists of a superintendent, assistant superintendent, three general foremen, an asphalt plant foreman and the part time services of a building maintenance superintendent. Except for one general foreman and the building maintenance superintendent all these positions are filled by employees working out of classification. Four other craft workers were assigned temporary duties as foremen.

EQUIPMENT

The only new equipment procured during the year was a rotary rock drill used for making test holes in the streets.

Although funds for the replacement of a heater-planer were allowed, we were unable to locate a suitable replacement.

MAJOR WORK PERFORMED

	UNIT	QUANTITY	TOTAL COST	UNIT COST
Asphalt Resurfacing- Hand Asphalt Paving	Sq.Ft.	73,346	\$ 20,537	\$.28
(110.1 sq.ft. per ton)	Tons	660		31.12
Asphalt Resurfacing- Machine Asphalt Paving	Sq.Ft.	2,053,956	246,475	.12
(132.5 sq.ft. per ton)	Tons	15,501		15.90

	UNIT	QUANTITY	TOTAL COST	UNIT COST
Asphalt Resurfacing- Box Asphalt Paving	Sq.Ft.	114,286	28,572	.25
(105.6 sq.ft. per ton)	Tons	1,082		26.40
Asphalt Patching	Sq.Ft.	824,274	436,095	.53
(145.4 sq.ft. per ton)	Tons	5,671		
Asphalt Paving (Cut-Outs)				
Compressor Work	Sq.Ft.	48,605	23,156	.476
Asphalt Paving	Sq.Ft.	118,132	47,321	.401
(83.0 sq.ft. per ton)	Tons	1,423		
Cleanup			26,253	
Curb Reset and Replaced Compressor Work	Lin.Ft.	19,216	67,407	3.51
Granite Reset	Lin.Ft.	9,741	35,648	3.66
Granite Replaced	Lin.Ft.	2,343	7,711	3.29
Concrete Reset	Lin.Ft.	317	1,639	5.17
Pavement-Asphalt	Sq.Ft.	18,693	29,135	1.56
Pavement-Concrete	Sq.Ft.	3,919	12,261	3.13
Sidewalk	Sq.Ft.	11,313	16,202	1.43
Cleanup			86,715	
Concrete Curb Patching			\$ 13,168	\$
Curb Yard				
Redress Granite	Lin.Ft.	4,671	28,218	6.04
Sort. Move etc.			54,241	
Total			82,459	
Crack Sealing				
Sealing	Lin.Ft.	675,377	126,772	.188
Cleanup			38,129	.056
Total			164,901	.244
Concrete Pavement	Sq.Ft.	2,534	6,305	2.49
Sidewalk Reconstructed	Sq.Ft.	66,629	87,267	1.31
Heater Planing	Lin.Ft.	197,170	75,739	.38
Slide & Debris Cleanup			152,626	

	UNIT	QUANTITY	TOTAL COST	UNIT COST
State Highways			1,656	
Work for other Bureaus & Depts.			188,703	
Concrete Saw Work	Lin.Ft.	6,188	10,564	1.71
Patching Street Structures- Steps, Walls etc.			27,218	

MUNICIPAL ASPHALT PLANT

Asphaltic mixtures produced at the Municipal Asphalt Plant during 1974-75 were as follows:

COMPOSITION - %

Mix Designation	Tons	Asphalt	#6	5/16"	5/8"	1 1/4"
Surface	1,821	8 1/2	91 1/2			
School	1,830	7	60	33		
Topeka	15,243	6	45	25	24	
Spreader	509	5 1/2	40	25	17 1/2	12
Binder	108	3 1/2	21	28	22 1/2	25
Cold	101		35 1/2	27 1/2	30	
Total	19,612					

*1% Asphalt and 6% Pacific specification 300 fuel oil.

Aggregates were screened into "hot bins" from a combination of Antioch (fine graded) sand, coarse graded sand and three sizes of gravel. Production costs for the 20,620 tons produced during the year were as follows.

Direct Labor	\$ 67,949	or	\$3.30 per ton
Indirect Labor	3,193	or	.15 per ton
Overhead	27,841	or	1.35 per ton
Materials	149,807	or	7.27 per ton
Gas, Electricity, etc.	8,293	or	.40 per ton
Total	257,082	or	12.47 per ton

The asphalt plant was shut down during October and November for the installation of a new dust control system. Since the Mitchell Plumbing Company has completed this contract work, this scrubber seems to function well. However, some operational difficulties were encountered. It is necessary to remove an excessive amount of sludge from the holding tank. We are working with the Bureau of Engineering to design a new mix with less fine graded material to correct this problem. Some other minor adjustments by the contractor and our plant crew on the large 250 HP motor, the pumps and valves were needed.

The decline in asphalt production was attributed to the following factors: Plant modification shut down, late deliveries of aggregate due to freight car shortages, numerous breakdowns of various equipment and the lack of personnel replacements. Delay in obtaining utility clearances also curtailed our resurfacing program.

An additional 3,951 tons of asphaltic concrete was purchased from Pacific Pavement Company during the year.

HANDICAP RAMPS

During the year this Bureau constructed 420 concrete handicap ramps at average cost of \$114 each.



Top: An Exhaust Gas Cleaning System has been installed at the Municipal Asphalt Plant. Left: Crew does hand asphalt work on Doby Alley. Above: A handicapped ramp is installed before asphalt resurfacing.

BRIDGES, TUNNELS AND UNDERPASSES

Bridge openings during the past year and the previous five years were as follows:

YEAR	THIRD STREET	FOURTH STREET	ISLAIS CREEK
1974-75	994	612	258
1973-74	1,014	792	883
1972-73	944	642	700
1971-72	776	558	862
1970-71	1,185	861	396

Since Cargill Inc. stopped importing and processing copra, there has been a decline in openings at the Islais Creek Bridge.

The Bureau was assigned the maintenance and repair of the Army Street Circle pumping station October 1974. A fire in the emergency generator transfer switch precluded any stand-by power until this unit was repaired. Routine maintenance included replacement of lamps, restoration of hydro-cell safety barriers and the repair of a battery box damaged by auto collision.

The vertical checks in the Geary - Fillmore pumping station required complete rebuilding.

A connection failure in one of the electrical junction boxes at the Telegraph Hill pumping station was noted during routine testing and was corrected.

At the Islais Creek Bridge a new hydraulic leaf lock was designed and installed by the Bureau of Engineering.

Fender work at both the Islais Creek Bridge and the Third Street and Channel Street Bridge was completed after considerable delay.

BROADWAY TUNNEL

VENTILATION - FAN OPERATING TIME

YR. ENDING JUNE 30		WESTBOUND TRAFFIC				EAST BOUND TRAFFIC			
	SLOW								
	HOURS								
1975	272.9	3.11	1.6	.01	144.1	1.64	51.1	.58	
1974	296.9	3.39	2.0	.02	58.8	.67	45.4	.52	
1973	227.0	2.59	6.4	.07	96.9	1.10	44.3	.50	
1972	381.7	4.35	9.9	.11	197.2	2.25	44.4	.50	
1971	474.5	5.42	34.1	.39	735.5	8.39	60.1	.68	

Cleaning of the tiled surface in the tunnel was done by the Bureau of Street Cleaning as a contractual service.

Approximately 27,220 sq. ft. of asphalt resurfacing work was performed by this Bureau on Broadway between the west portal of the tunnel and Larkin Street intersection.

LIGHTING - LAMPS REPLACED

	OCCASIONS	72T8's	T2T12's	TOTAL
Lamps in service		1,004	332	1,336
Replaced during the year	1	367	48	415
Previously replaced	62	10,625	1,072	11,697
Totals (since Dec. 1952)	63	10,992	1,120	12,112

TRAFFIC COUNTS

		EASTBOUND	WESTBOUND
Thursday	July 5, 1973	14,891	13,733
Tuesday	September 7, 1971	15,329	13,410
Wednesday	March 12, 1969	14,241	12,291
Thursday	February 9, 1967	13,841	11,841
Tuesday	March 3, 1964	11,589	10,723
Tuesday	December 15, 1959	12,216	10,359
Thursday	July 10, 1958	11,144	9,478
Wednesday	February 11, 1953	8,668	8,770

The tunnel was put into service December 1952.

GEARY - FILLMORE PUMPING STATION

Pump operating hours during the year were as follows:

PUMP NO. 1		PUMP NO. 2	
HOURS	%	HOURS	%
403	4.60	390	4.45

ARMY STREET CIRCLE PUMPING STATION

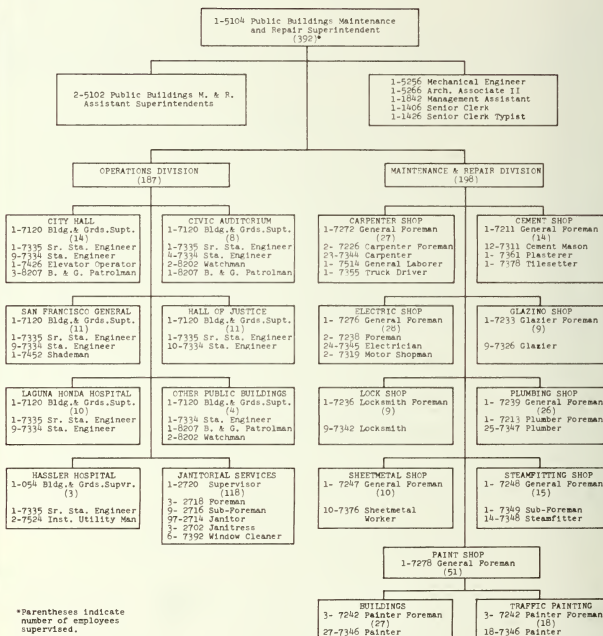
PUMP NO. 1		PUMP NO. 2		PUMP NO. 3	
HOURS	%	HOURS	%	HOURS	%
2.8	.12	8.1	.36	2.6	.11

Time recorders were installed March 31, 1975

ORGANIZATION CHART

BUREAU OF BUILDING REPAIR

June 30, 1975



BUREAU OF BUILDING REPAIR

John Rutherford, Superintendent

With a work force of 393 employees consisting of nearly 50 different classes and an annual expenditure of \$10,213,407, this bureau is the largest and most diversified of the maintenance and operation units.

FUNCTION

The bureau's primary function is to maintain and repair 329 public buildings, as well as provide operational and/or janitorial services for 112 of these buildings. In addition, maintenance and repairs are performed for other departments by means of a budget transfer or interdepartmental work order procedure. A significant portion of this work was performed for the following departments:

1. School Department with over 140 buildings.
2. Recreation and Park Department with over 300 buildings and structures.
3. War Memorial, de Young Museum, Legion of Honor, Public Utilities, etc.
4. Bureau of Engineering:
 - a) Street traffic painting and maintenance of street signs.
 - b) Maintenance and repair of street structures, sidewalks and traffic control devices.

ORGANIZATION

As indicated by the organizational chart, the work force is almost evenly divided between operational and maintenance functions.

The Operation Division consists of 187 budgeted positions which include janitors, window washers, stationary engineers and watchmen who are assigned to various buildings and institutions.

The Maintenance and Repair Division consists of 198 building trade mechanics representing 12 different crafts. 88 of these are permanent budgeted positions. The remaining 110 positions are classified as interdepartmental and are filled on an "as needed" basis depending upon the work load and availability of funds.

The Administrative Division consists of a Superintendent and a staff of 7 which performs the required administrative functions of planning, budgeting, development of detailed work programs for each of the 9 major shops, pre-audit cost control on approximately 496 separate budget accounts, basic time reporting and personnel management. The Engineering and Architectural Team makes frequent inspections of the

Below: Leaking basement walls are repaired with AM-9 chemical grout injection using a special metering pump designed and built by the Bureau. Right: Hi-Ranger is used to repair "Eye-in-the-Sky" on Mission Street. Far Right: Monthly test is made at the Hall of Justice to check automatic power switch-over to emergency generators.



physical plant in connection with the bureau's preventive maintenance program and is responsible for all contract work. During the year, 51 contracts totaling \$116,793 were awarded on a competitive basis, as shown in Figure 4.

CHANGES

Higher costs for wages, fringe benefits, salaries, contractual services and materials and supplies increased the budget some 12% over the prior year. In an attempt to control costs, the Mayor's office froze all replacement personnel requests and deleted 3 budgeted positions. In addition, another 6 positions were effectively deleted by placing them in an "unfunded" status. This action reduced the janitorial crew by about 11%.

Changes in personnel occurred when Carlos Baumgartner was permanently appointed as the new General Foreman Electrician. Americo Stoppoloni was appointed as the General Foreman of the Cement Shop replacing Herold Schulz, retired.



CETA programs were started and during the year averaged about 22 persons who were assigned to the janitorial crew and provided extra cleaning service. During the summer months, we continued to employ a small number of young people through the Summer Youth Program.

PROGRESS

With the assistance of the Chief Administrative Officer and the Community College, training classes were started for all new 2714 Janitors to acquaint them with new materials, equipment and procedures. It is hoped that this can become a continuing program for training janitors from other agencies as well.

Progress was made in changing budgeting procedure so that maintenance

and repair and capital items are now being included directly in the departmental budgets. Heretofore, maintenance and repair items were shown in Building Repair budget for convenience, but this was somewhat misleading in that the entire cost of an agency was not evident in a review of the individual departmental budgets.

INTERDEPARTMENTAL WORK

The volume of interdepartmental work as shown in Figure 1 was down 1.1% from the previous year. The School Department continues to be the largest single account with expenditures of \$1,705,906 annually. During the year 10,000 work requisitions were completed which averaged 40 per work day. Analysis of costs show that about 40% of all miscellaneous school jobs cost \$25.00 or less and about 80% cost \$100.00 or less. Vandalism continues to be a major problem with the schools, as well as with the Recreation-Park Department. The I.D. overhead averaged 58.7%. The overhead consists of such items as retirement, social security, workman's compensation, sick leave, vacation, etc., over which the bureau has no control.



Above: For improved security, the Lockshop installed new ADAMATIC automatic prison deadlocks on all tier gates at County Jail No. 2 in San Bruno.

PROBLEMS

Since salaries, wages and fringe benefits represents by far the greatest portion of the Bureau's budget, the matter of personnel replacement is of the utmost concern. Replacement of personnel to fill the Bureau's needs continues to be a serious problem, since there seems to be a delay in filling requisitions as a means of saving funds. In most cases the opposite is true, since insufficient or not fully qualified employees can be costly to the Bureau's operations and hence to the City in general.

The Fiscal situation continues to deteriorate. Serious cutbacks were made in funds for supplies such as restroom paper products.

Janitorial services have had to be severely restricted due to insufficient manpower. It is quite apparent that the level of building maintenance has been falling. Practically no interior painting was accomplished during the year as funds were required for higher priority work. The future appears even bleaker as inflation pushes all of the operating costs ever higher against a tax rate that many feel is already too high.



Above: One of the Bureau's cement masons repairs an historic ornamental stone wall located on Water Department property.

PROPORTIONAL EXPENDITURES OF ALL KINDS

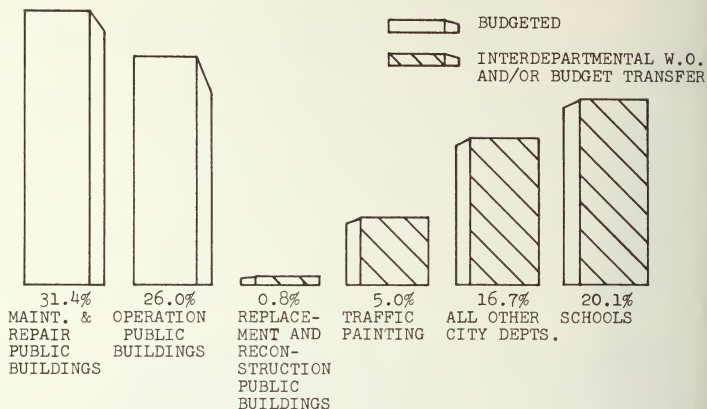


Figure 1

PERSONNEL ASSIGNMENT

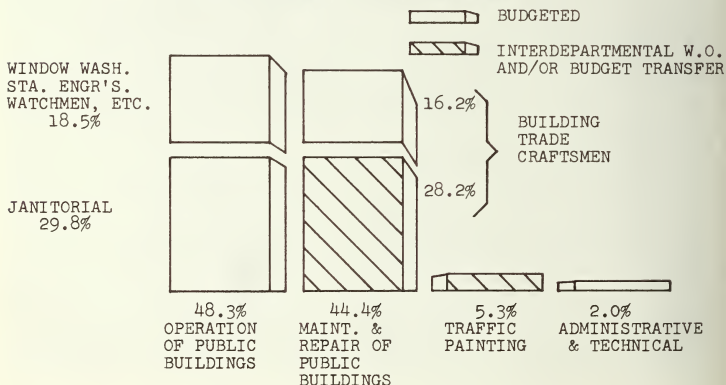


Figure 2

ASSIGNMENT OF BUILDING TRADES PERSONNEL (198 Employees)

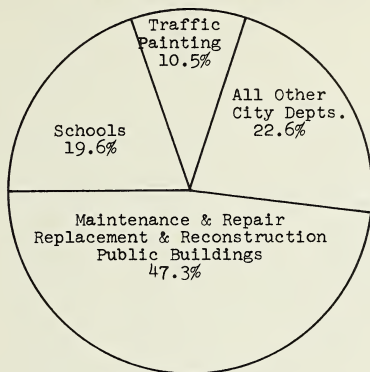


Figure 3

INFORMAL CONTRACTS AWARDED 1970-1 THRU 1974-5

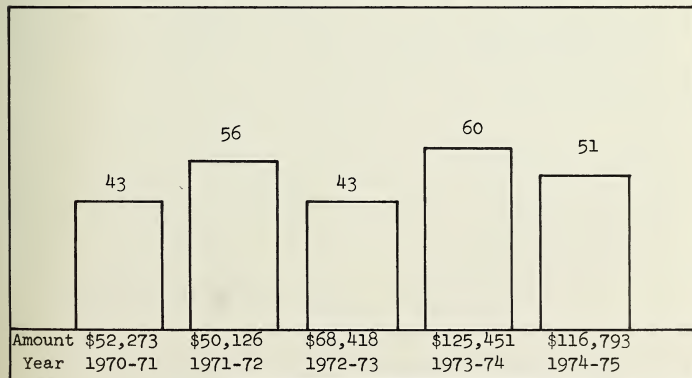


Figure 4

PUBLIC BUILDINGS UNDER THE JURISDICTION OF THE DEPARTMENT
OF PUBLIC WORKS FOR MAINTENANCE AND REPAIR

DEPARTMENT	NO. OF BLDGS.	TOTAL SQ. FT.	ANNUAL EXP. (A)
Fire Department	61	623,000	\$ 183,012
Juvenile Court			
Hidden Valley Ranch	4	42,712	10,644
Log Cabin Ranch	16	32,000	20,010
Youth Guidance Center	17	202,330	75,184
Police Department (Stations)	10 (C)	101,293	33,024
Hall of Justice	1 (C)	580,500	221,382
Public Health			
Emergency Hospitals	5	33,352	15,102
*Hassler Hospital	18 (C)	130,000	10,825
Health Center Bldgs. and	7 (C)	179,550	44,368
Health Centers	4 (R)	5,900	
Laguna Honda Hospital	25 (C)	650,000	406,962
S. F. General Hospital	28 (C)	753,000	517,109
V. D. Center	1 (R)	10,000	1,614
Center for Special Problems	1 (R)	10,000	5,484
Public Library	23	341,943	96,170
	6 (R)	9,405	
Public Works			
City Hall & Power Plant	2 (C)	526,540	209,934
City Hall Annexes	3 (C)	37,190	9,252
450 McAllister Street	1 (C)	56,460	13,920
Maintenance Yard	9 (C)	72,890	41,242
19th Avenue Garage	1	4,400	942
Water Pollution Treat. Plants	35	543,330	164,293
Water Pollution Pumping Div.	18	31,325	8,685
Real Estate			
Civic Aud./Brooks Hall	2	435,400	122,618
Sheriff			
County Jails #2 and #4	7	138,970	92,032
Social Services			
150 Otis Street	2 (C)	40,900	19,644
585 Bush Street	1 (C)	43,791	7,044
1680 Mission Street	1 (C)	40,000	7,044
Rehabilitation Center	1	10,000	3,684
Miscellaneous Departments	19	230,594	50,011
TOTAL	329	5,916,775	\$2,391,235

NOTES:

- (R) Indicates buildings that are rented. (Total of 12 buildings with a combined floor space of 35,305 square feet.)
- (C) Indicates custodial and/or operational services.
- (A) Average expenditure per square foot is \$.404
- (*) Caretaking personnel until sold.

BUREAU OF BUILDING REPAIR

Supervisory Personnel As of June 30, 1975

ADMINISTRATION:

Superintendent	John Rutherford
Assistant Superintendents.	Norman R. McInnis Andrew K. Nielsen
Mechanical Engineer.	Eugene Andersen
Architectural Associate II	Richard Von Hungen-Groth
Management Assistant	William Dunn
Senior Clerk	Lillian Ratto
Senior Clerk Typist	Olga Sanchez

OPERATIONS:

Building and Grounds Superintendents:

City Hall.	William Cody
Civic Auditorium	John Mullane
Hall of Justice.	Jack Prudhomme
Laguna Honda Hospital.	Vincent McGarry
San Francisco General Hospital	Carl Kriletich
Other Buildings.	Robert Davidson

Building and Grounds Supervisor:

Hassler Hospital	William Glennon
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Janitorial Services.	James Sullivan
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MAINTENANCE AND REPAIR:

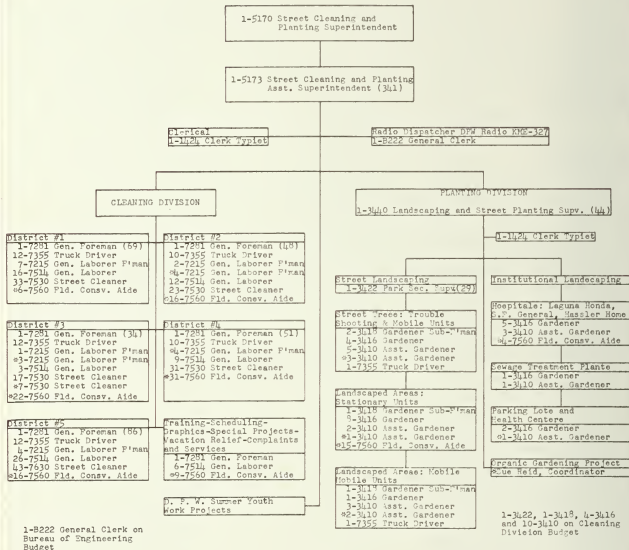
Carpenter General Foreman.	Leonard Anderson
Cement Mason General Foreman	Americo Stoppoloni
Electrician General Foreman.	Carlos Baumgartner
Glazier Foreman.	William O'Donnell
Locksmith Foreman.	Elliott Yellin
Painter General Foreman.	Frank Felder
Plumber General Foreman.	Richard Conway
Sheetmetal General Foreman	Bert Srock
Steamfitter General Foreman.	George Stahl

ORGANIZATION CHART

BUREAU OF STREET CLEANING AND PLANTING

DEPARTMENT OF PUBLIC WORKS

JUNE 30, 1975



BUREAU OF STREET CLEANING & PLANTING
Bernard M. Crotty, Superintendent

The Bureau of Street Cleaning & Planting is responsible for cleaning 854 miles of improved streets and 55 miles of traffic islands. The Bureau is also responsible for maintenance of 177 acres of street landscaping and 20,000 street trees.

Major subsidiary functions assigned to the Bureau include the cleaning, landscape maintenance and physical maintenance of 19 neighborhood off-street parking lots and 2 garages; regular cleaning of the tile surfaces of the Broadway Tunnel, Stockton Street Tunnel, and the new Geary-Masonic underpass, cleaning of 10 smaller vehicular and pedestrian underpasses and 215 sets of public stairways serving residences on streets too steep for conventional surfacing.

Other City Departments find it expedient to use our services on a work order basis. Some of these functions are as follows: Cleaning & landscape maintenance at Hallidie Plaza for the Real Estate Department; cleaning of City College roads and Hall of Justice Parking Lot; maintenance of landscaping at the 3 Sewage Treatment Plants; cleanup after parades and civic functions for which we are reimbursed by the respective Parade Committee through the Chief Administrative Officer's office.

The Bureau also promotes and coordinates Litter Control and Tree Planting Programs independently and in cooperation with various groups and committees.

Another very important function of the Bureau is operation of the Department of Public Work's radio serving 62 mobile units.

The Bureau has, with disturbing regularity, had substantial additional duties added in recent years. Beginning in 1971 and starting with the first Summer Youth Program, we have gradually assimilated so many more functions without added staff that today our lack of administrative and supervisory aids is seriously affecting morale and efficiency.

This Bureau must, in addition to our so-called regular duties, plan, budget, coordinate and administer:

1. A Summer Youth Program (700-900 participants)
1974 Cost...\$688,000
2. An Organic Gardening Program (50 sites)
3. A Comprehensive Employee Training Act (CETA) 120 employees.

In spite of the foregoing, our records indicate an increase in production. Equipment mileage increased over 25% from 530,000 to 664,000 miles. This was due to several factors

including a full complement of drivers and an influx of about 15 new pieces of equipment, replacing old, broken down units; plus new General Foremen who were available to supervise the operations.

The following is a breakdown of our measurable functions clearly showing the results of good equipment and a full work force properly supervised.

(Note detailed records of Mechanical Cleaning and Flushing on following pages.)

<u>FUNCTION</u>	<u>YEAR</u>		<u>INCREASE</u>	
	73-74	74-75		
Phone-Letter Complaints	2625	2705	3.0	%
Radio Messages				
Received-Sent	20324	23843	17.3	%
Mobile Units	58	62	6.9	%

MECHANICAL SWEEPING

Average No. of Units				
Operating	5.39	8.01	48.6	%
Miles Swept	33955	59432	75.0	%
Cu. Yards Removed	6777	10719	58.1	%

MOTOR FLUSHING

Curb Miles Flushed	45770	49676	8.5	%
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Current and foreseeable trends in government all indicate less and less money in terms of usable resources, due principally to inflation and the scramble for the public dollar by competing public agencies. In order to meet and effectively neutralize this diminution of resources, we have been seeking more efficient methods of cleaning streets.

An example of this is our use of a specially formulated degreasing soap which we now use for removing grease, oil, kerosene and diesel fuel, accidentally spilled on public ways. This soap was originally developed for use in cleaning the glazed tile in the Broadway Tunnel and was so effective in removing the scum from the tile we tried it on the petroleum spills and found it to be even better.

In the past, when a call was received about an oil spill, a load of hot sand was dispatched from the Asphalt Plant to soak up the oily substance and prevent skidding. A crew of several men was used to spread the sand. This worked reasonably well but it became an expensive cleanup job to remove the sand afterwards. Now all we do is dispatch our special tunnel cleaning equipped flusher with an auxiliary soap tank. This unit

makes a pass laying down the special soap, then goes back and flushes with clear water. Within a relatively short time, the affected street is cleared of the slippery substance and traffic allowed to use the street. This eliminates the need to go back and remove the sand.

A more dramatic innovation was effected in mid 1974 by the inauguration of controlled parking for street cleaning in San Francisco's Richmond District.

The Richmond is a district with 62.5 miles or 7.3% of San Francisco's total street mileage. It is a district with a mixture of business and residential streets and was selected because it had housing and business activities found in every district. The housing runs the gamut from multi-unit moderate income housing to single unit, very expensive homes in the exclusive Sea Cliff area adjacent to San Francisco's Presidio. The Richmond District has 2 major shopping areas; Clement Street and Geary Boulevard, in addition to many smaller clusters of shops. It has several theatres and many bars and restaurants. The district also has three major hospitals and a number of rest and convalescent homes. It has parks and it also has many trees, albeit most of the trees are evergreen and are not a big leaf problem. The district is traversed by four major arterial streets bringing traffic into the downtown and financial districts of the City.

It has been estimated that substitution of mechanical cleaning for the old, hand cleaning method and considering amortization of the signs and including enforcement that the annual savings will be approximately \$125,000.

The following pages contain samples of warning notices and posters and a photo of one of the permanent metal signs mounted on poles throughout the district informing motorists of the restrictions.

HELP US KEEP YOUR STREETS CLEAN

Beginning some time in May, signs will be installed in the entire Richmond District prohibiting parking for one or two hour periods to allow a mechanical sweeper to clean streets fore effectively. The days and hours of the parking restriction will vary and you should check the signs to determine the time period for your side of the street. The parking restriction for each side of the street will be different.

The purpose of this new program is to get cleaner streets at lower cost. To succeed, we need your cooperation in observing the parking restrictions. You can further help by conveying this message to your neighbors.

WARNING

New parking restrictions are now in effect and you are illegally parked (see posted signs). You have not been cited this time but enforcement will begin on the next scheduled street cleaning period and a fine will be levied for each violation.

Parking will be prohibited throughout the entire Richmond District at varying times to allow a mechanical sweeper to clean streets better at lower cost.

Signs are posted on the streets stating the day and time when parking is prohibited. The parking restriction for each side of the street is different.

Parking on the sidewalk is illegal and violators will be cited.

VIOLATION WARNING

You have violated Section 37c of the San Francisco Traffic Code - Bail \$5.00. This section prohibits parking during street cleaning periods.

You have not been cited this time since the hours of meter operation have not yet been adjusted to reflect this new parking prohibition. This adjustment will be made during the next few days.

Please observe the posted signs giving the hours when parking is prohibited for street cleaning purposes.

YOU HAVE BEEN CITED FOR VIOLATING SECTION 37C OF THE SAN FRANCISCO TRAFFIC CODE - BAIL \$5.00

Sec. 37c. Parking Prohibited For Street Cleaning. No person shall park any vehicle on that side of any street on the days, and between the hours, designated by the Board of Supervisors for street cleaning purposes. Each side of each street shall be posted with signs giving notice of the days, and the hours, of the parking prohibition effective on that side of the street. (Each side of the street is different)



Above: Superintendent Bernard Crotty displays a regulatory sign used in the Richmond District Mechanical Street Sweeping Program. Left: A sample of the sign used to inform the neighborhood of the coming of the new program. Opposite page: Samples of the warnings given to motorists who had parked improperly.

TABLE I
Street Cleaning Division
Mechanical Sweeping 1974-1975

Month	Curbs Miles Swept	Sweeper Loads Number	Disposition of 15 Sweepers (Hours)			Downtime* %	Average No. Units Working
			Sweeping	Downtime	Total Work Days Hours		
1974							
July	4306	229	1080	1560	2640	59.08	6.14
August	4529	251	1324	1316	2640	49.84	7.52
September	5114	279	1203	1197	2400	49.86	7.52
October	5855	392	1546	1214	2760	43.98	8.40
November	5140	389	1388	892	2280	39.11	9.13
December	5338	359	1411	1109	2520	44.00	8.40
1975							
January	5471	361	1551	1089	2640	41.24	8.81
February	4711	239	1317	963	2280	42.23	8.67
March	4941	266	1342	1178	2520	46.74	7.99
April	4778	254	1377	1263	2640	47.83	7.83
May	4762	272	1340	1180	2520	46.82	7.98
June	4487	282	1302	1218	2520	48.31	7.75
Totals	59432	3573	16181	14179	30360	559.04	96.14
Averages Per Month	4952	297	1348	1181	2530	46.58	8.01

* Downtime includes all work-day time that equipment is not engaged in actual street-sweeping; such as, when undergoing repairs, held for servicing or when no driver available.

TABLE II
Street Cleaning Division
Motor Flushing 1974-1975

Month	Curb Miles Flushed	No. of Stops For Refilling Water Tank	Disposition of 10 Flushers (Hours)			Downtime* %	Average No. of Flushers in Operation
			Flushing	Downtime	Total Work Day Hours		
1974							
July	4225	1301	825	935	1760	53.11	4.69
August	3923	1402	879	881	1760	50.04	5.00
September	3442	1206	746	854	1600	53.36	4.66
October	4651	1435	929	911	1840	49.51	5.05
November	3594	1118	732	788	1520	51.81	4.82
December	4095	1377	911	769	1680	45.76	5.42
1975							
January	5254	1602	1065	695	1760	39.47	6.05
February	4295	1289	861	659	1520	43.32	5.67
March	4719	1544	980	700	1680	41.65	5.84
April	4129	1252	799	961	1760	54.60	4.54
May	3654	1439	913	767	1680	45.63	5.44
June	3695	1288	803	877	1680	52.20	4.78
TOTALS	49676	16273	10443	9797	20240	580.46	61.96
Averages Per Month	4139	1356	870	816	1686	48.37	5.16

NOTE: Each Flusher is operated with a Driver and a Helper for operating Flushing Controls.

* Downtime includes all work-day time that equipment is not engaged in street flushing; such as, when undergoing repairs or service or when operating on work of different nature or due to shortage of drivers.

LANDSCAPING & STREET PLANTING DIVISION BUREAU OF STREET CLEANING & PLANTING

This year, 1975, marks the Landscaping and Street Planting Division's twentieth anniversary with the Department of Public Works. Prior to 1955 the Division was part of the Recreation and Parks Department. In those twenty years, responsibilities of the Division have more than tripled and are still increasing.

Our efforts during these years have been directed to enlisting the home owner to plant and maintain his own trees. This phase of the tree planting program has been most successful as approximately 150,000 trees have been planted voluntarily by home owners during the years of promotion. Additionally, this program has earned the Division a reputation as an especially cooperative and helpful City agency.

STREET TREE EXHIBIT

The Funston Avenue Exhibit of trees recommended for use in San Francisco continues to be a popular aid to citizens interested in trees. The trees are becoming more mature and representative of the various species. A few of the trees have been lost to vehicle accidents and will be replaced. The exhibit appears to be the only one of its kind in the country and has received much favorable mention in the press, as well as prompting queries from other communities.

TREE PLANTING BY THE PUBLIC

Our fifteenth successful year of promoting do-it-yourself tree planting in neighborhoods, by which the City is beautified with trees maintained by individual property owners, began with San Francisco's annual Plant-A-Tree Week in March. Standard Oil of California contributed substantially to the success of the program by sponsoring the slogan contest. This year's winning slogan, "Beauty to Me is a Sidewalk Tree," earned \$200 for its author. It took the judges two days to review all the entries and make their selection. Standard Oil supplied the Street Planting Division with 2,000 attractive badges bearing the winning slogan.

NEIGHBORHOOD PARKING FACILITIES

A new lot in the Mission District at 21st and Bartlett Streets has been landscaped by the Division and now is being maintained along with 20 other parking facilities.

HALLIDIE PLAZA

Many citizens daily use and enjoy Hallidie Plaza, a sunken park-like retreat adjoining the BART station and cable car turntable at Powell Street. Regrettably, some show little regard for the beauty of the Plaza, discarding garbage and refuse indiscrimi-

nantly and drawing or spraying paint on the granite. The amount of work to keep the Plaza properly clean is increasing each month. A three man crew cleans and maintains the Plaza five mornings a week. An effort is being made to increase this service to seven days weekly.

NEW EQUIPMENT

A two-ton truck with hydraulic lift boom and bucket was purchased this year and is a valuable addition to our equipment roster. The 35' boom is most useful in trimming and pruning tall trees such as those on Mission and Market Streets, Sunset Boulevard and many other locations. It is equipped with hydraulically powered loppers and saws.

A new utility truck has been delivered also, replacing a rental vehicle at considerable savings to the City.

The "Mammy Pleasant Trees," a group of very large Eucalypti (75') fronting a hospital which was once the site of the residence of a notorious Gay Nineties madam, are now the responsibility of the Division and will require considerable pruning and care. Some of the work can be done using this new equipment if and when a temporary tree topper requisition is released by the Mayor's Committee on Fiscal Policy.



Above: New hydraulic lift truck equipped with hydraulic chain saws and loppers with a reach of 36 feet.

SUMMER YOUTH PROGRAM

For the fourth year the Planting Division participated in the Gas Tax Summer Youth Program. The Division used five crews of youth planting trees throughout the City. About 1300 trees were planted.

COMMUNITY GARDENS

This program is in its second year with a modest budget of \$18,000. There are now about 50 gardens throughout the City tended by many people and involving the elderly, elementary and high school students, people in housing projects and young people at the Youth Guidance Home. Further expansion is limited by the shortage of funds.

The Division provides composted soil, seed, seedlings, water and insurance coverage for the gardens. Numerous crops are harvested in a season from all of the plots.

This program is very successful in that it provides outdoor recreation, gives elderly people a purpose and provides savory food supplements for many people. It has received international recognition and the Division is frequently asked for information and advice from all over the country.



Above: Landscaped traffic islands on Van Ness Avenue are pruned and weeded.

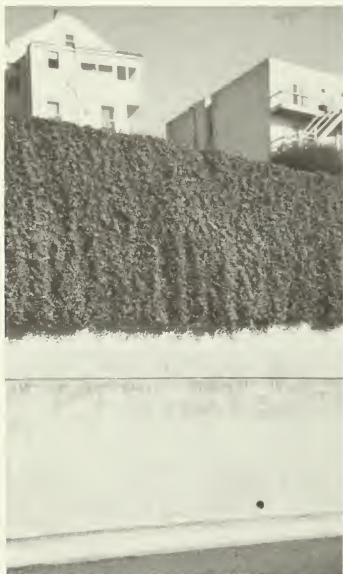


Above: Clipper St. Garden, one of 55 in the Community Garden Program.

EMPLOYEES

In recent years our work has been seriously hampered by a chronic shortage of gardeners. The current emphasis on reducing costs through a hiring freeze, which has effectively blocked the Division's ability to hire temporary seasonal help as well as leaving two vital permanent gardener positions vacant, is most oppressive and counter productive.

The Division has a very low lost-time accident record due to a conscientious safety program. It should be noted that our men work along the streets and boulevards under very hazardous conditions as compared to those who work in a park or square. Also, spraying with toxic chemicals is almost a thing of the past. Most insect control is effected by washing with a detergent rather than using toxic spray materials.



Above: Ivy is planted along a retaining wall as a buffer to absorb tire noise and to screen rust streaks.



Above: Australian Willow is an evergreen tree which has proven successful as a San Francisco street tree.

This year we put twenty employees to work under the Federal government's CETA program. These men are assigned to work with our experienced crews and are useful in doing a number of gardening chores.

NEW PROJECTS

In recent years several new planting projects have been completed under the Capital Improvement Program. In the past we promoted such projects and welcomed them in our program, although the funds to properly care for these projects have always been insufficient. Now, the problem is serious enough to warrant abandoning some trees and landscaping. Until some policy for the adequate maintenance of new plantings is established, we strongly urge that all new landscape projects be held in abeyance.

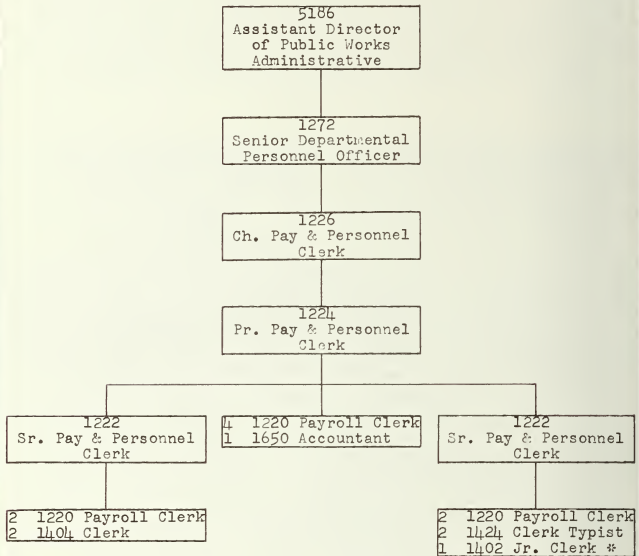
PLANT A TREE

...a new professional book on the shelves of book stores and libraries by Michael Weiner, points out the San Francisco Street Tree Planting Program as a model for the rest of the country. Mr. Weiner advocates the use of more large trees in our cities and complements San Francisco's City government for its cooperation with property owners in their tree planting programs.



Above: This Monterey Pine along Sunset Boulevard serves as an example of a good pruning job handled by a private contractor.

ORGANIZATION CHART
BUREAU OF PERSONNEL ADMINISTRATION



* Position in General Office Budget;
responsibility for assignment only

Albert C. Ambrose, Senior Departmental Personnel Officer

FUNCTIONS

The Bureau of Personnel Administration is the central personnel agency for the Department of Public Works, and a service bureau to all other operating and service bureaus of the department.

The Supervisor of the Bureau of Personnel Administration advises the Director, the Assistant Directors, the bureau heads, line supervisors and other department employees on matters relating to classification, salary, discipline, assignment, transfer, time reporting, employee evaluation, Civil Service rules and regulations, Board of Supervisors ordinances and resolutions, the City Charter, the policies of the Mayor's and Chief Administrative Officer's offices, and other personnel transactions. The Bureau Chief also acts as liaison officer between the department and the Civil Service Commission, the Controller's office and the Mayor's office in matters of personnel administration.

The staff of the Bureau of Personnel Administration is directly involved in the preparation of all departmental time-rolls and the processing of all personnel transactions; including Civil Service employee sign-up and assignment, Non-Civil Service and Limited Tenure recruiting, sign-up and assignment, the keeping of sick leave, vacation, overtime earned, personal and educational leave records, the processing of disciplinary cases, the requisitioning for permanent and temporary employments, some phases of payroll distribution, and other personnel transactions.

ACTIVITIES FOR THE YEAR

The operations of the Bureau of Personnel Administration in fiscal year 1974-75 included the following:

Preparing and processing 2,063 time-rolls involving the expenditure of approximately \$19,038,848. Included in this payroll expenditure was a substantial amount for temporary employees, plus substantial disability payments.

Processing 295 requisitions for permanent Civil Service employees to fill vacancies due to deaths, resignations, transfers, retirements, etc.

Processing 1,139 requisitions for temporary Civil Service employments due to vacation, sick leave, personal leave, reclassifications, replacements, etc. However, because of difficulty in recruiting Civil Service employments, it was necessary to employ 1,108 Non-Civil Service employees for these authorized positions.

Processing 302 accident reports.

Bureau headquarters are at 253-60 City Hall, where the Bureau Chief and the bulk of his staff are located. A listing of the bureau's personnel is as follows:

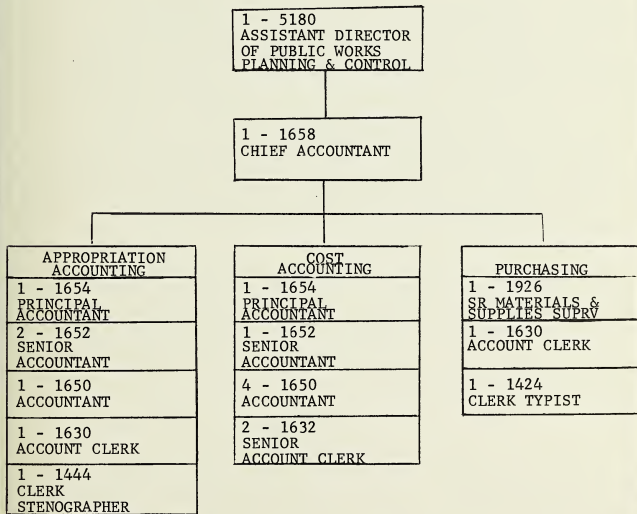
1	1272	Senior Departmental Personnel Officer
1	1226	Chief Payroll and Personnel Clerk
1	1224	Principal Payroll and Personnel Clerk
2	1222	Senior Payroll and Personnel Clerk
8	1220	Payroll Clerk
1	1650	Accountant
2	1424	Clerk Typist
2	1404	Clerk
1	1402	Junior Clerk (see Organization Chart)

DEPARTMENT OF PUBLIC WORKS

BUREAU OF ACCOUNTS

ORGANIZATION CHART

JUNE 30, 1975



TOTAL PERSONNEL 18

BUREAU OF ACCOUNTS

L. P. Song, Chief Accountant

FUNCTIONS AND DEPARTMENTS

The operating functions of the Bureau embrace control of purchase order requisitions, sub-storeroom and inventories, automotive expenditures, work order job costs and invoicing, side sewer job deposits and refund accounts, Federal, State and other bond fund accounts, capital improvement accounts for the General Fund and Recreation and Park Department Fund, the cash revolving fund, and budget preparation and controlling accounts.

This Bureau is organized as three divisions under the Chief Accountant. They are Appropriation Accounting, Cost Accounting, and Purchasing. The Bureau maintains an office at 3323 Army Street to serve the Maintenance Yard Bureaus and an office at 450 McAllister Street, Room 502, to serve the City Hall Bureaus.

APPROPRIATION ACCOUNTING

This Division maintains accounts showing allowances, reserves, allotments, expenditures, encumbrances, and balances for all funds under the control of this Department. These accounts form the basis of controlling all transactions to assure that funds are expended for the purpose for which they were appropriated.

In addition to maintaining all of the operating accounts, this Division handles the fiscal processing for formal contracts covering street improvements, sewers, sewage treatment plants, schools, hospitals, firehouses, recreation and park improvements, and numerous capital projects for other City Departments.

The preparation and consolidation of the annual budget is also a responsibility of this Division.

PURCHASING

This Division is responsible for the supplying of equipment, materials and supplies for the varied activities of this Department, the sub-storeroom and the material yard. During fiscal year 1974-75, this Division processed 5,984 Requisitions for Purchase Orders and/or Revolving Fund Orders in the total amount of approximately \$2,779,716.11 involving 29,425 items, 6,497 storeroom tags involving the delivery of 19,491 items and 51 requisitions on the storekeeper involving 765 items were issued.

COST ACCOUNTING

This Division maintains accounts showing allowances, expenditures

by type, encumbrances, and balances for all work orders received by this Department.

In addition, job costs are maintained for many aspects of the Department's operations such as cost of traffic painting, cost per mile of highway maintenance, cost of side sewer installations and cost of asphalt production. This Division compiles costs to repair damage to City property under the jurisdiction of this Department, and forwards a bill to the responsible party. These costs amounted to \$74,557.03 for fiscal year 1974-75 and embraced 120 cases covering damages to automotive equipment, street structures, bridges, street signs, traffic signs, street plantings, traffic signals, traffic devices, and damage to public buildings.

During the 1974-75 fiscal year, this bureau continued to assume additional responsibilities in three separate areas: (1) Sewer Service Charge Collection delinquent accounts and their entailing accounting activities, (2) Industrial Waste Discharge Fees Collection accounts and their entailing accounting activities. In addition, this Bureau is called upon to assume the complex and involved accounting responsibility in connection with the accelerating Industrial Waste Program activities and the expanding City Sewage Treatment facility construction program under Federal and State grants, (3) Financial and accounting activities in connection with the huge Yerba Buena Center Project Development which amounts to hundreds of millions of dollars.

OPERATING BUDGET OF THE BUREAU

<u>PURPOSE</u>	<u>ALLOWANCES</u>		<u>EXPENDITURES</u>	
	<u>1973-74</u>	<u>1974-75</u>	<u>1973-74</u>	<u>1974-75</u>
Permanent Salaries	\$135,755	\$142,049	\$105,501	\$110,636
Overtime	495	517	495	514
Holiday Pay	995	1,156	941	1,061
Contractual Services	2,300	18,260	2,303	20,771
Materials & Supplies	1,500	1,574	1,471	1,574
Equipment	175	472	166	424
Fixed Charges	24,852	34,394	24,852	31,952
Services of Other Depts.	<u>84,369</u>	<u>85,843</u>	<u>33,550</u>	<u>137,057</u>
	<u>\$250,441</u>	<u>\$284,265</u>	<u>\$219,279</u>	<u>\$303,989</u>

WORK ORDERS TO DEPARTMENT

FISCAL YEAR 1974-75

<u>BUREAU</u>	<u>NUMBER OF COST ACCOUNTS</u>	<u>TOTAL ALLOWANCE</u>
Architecture	190	\$ 1,578,953
Building Inspection	14	104,197
Building Repair	531	3,802,949
Central Permit	1	14,000
Engineering	653	5,730,193
General Office (Contracts)	<u>181</u>	<u>37,975,923</u>
	<u>1,570</u>	<u>\$49,206,215</u>

DEPARTMENT BUDGET

<u>Bureau</u>	<u>Allowance</u>		<u>Expenditures</u>	
	<u>1973-74</u>	<u>1974-75</u>	<u>1973-74</u>	<u>1974-75</u>
<u>General Fund</u>				
Accounts	\$ 250,441	\$ 261,398	\$ 219,279	\$ 303,989
Architecture	193,534	194,245	191,379	176,794
Building Inspection	3,069,954	3,303,865	2,979,681	2,995,496
Building Repair	5,273,227	5,688,914	5,009,732	5,355,159
Traffic Painting	442,248	518,259	406,515	501,924
Central Permit	267,684	264,853*	247,092	274,214**
Engineering	1,644,950	2,048,889	1,669,704	1,932,424
General Office	671,559	772,428	616,755	717,049
Personnel Administration	123,475	158,164	115,847	148,450
Water Pollution Control				
Waste Water Pumping	426,632	488,277	413,569	456,019
Treatment Division	4,917,989	6,001,702	4,716,828	5,662,612
Sewer Repair	2,276,710	2,615,932	2,331,612	2,645,850
Street Cleaning	5,453,052	5,395,025	4,690,903	4,802,490
Capital Improvements	2,361,760	678,150	715,674	1,829,871
<u>Special Gas Tax Street Improvement Fund</u>				
General Maintenance	667,047	-0-	74,298	-0-
Construction	699,200	3,244,000	479,627	863,685
1.04 Cent Fund	1,750,638	2,153,000	2,740,318	1,124,521
<u>Road Fund</u>				
Street Repair	3,705,601	3,958,289	3,445,884	3,626,550
Select System Const.	-0-	-0-	-0-	-0-
Traffic Engineering	1,827,539	1,974,228	1,814,889	1,916,536
General Maintenance	1,680,744	1,896,859	1,667,637	1,846,114
Construction	20,004	20,004	941,947	578,360
Street Planting	549,121	585,156	519,632	557,110
1.04 Cent Matching Funds	224,972	-0-	2,183	69,200
Total	<u>\$38,498,081</u>	<u>\$42,221,637</u>	<u>\$36,010,985</u>	<u>\$38,384,417</u>

Expenditures for capital improvements may not necessarily match allowances for any given year since allowances may be forwarded from year to year until the project is completed. *Includes Microfilm Building Record Fund Allowance of \$99,050. **Includes Microfilm Building Record Fund Expend. of \$122,404.

APPENDIX: I & II

APPENDIX I

BUREAU OF ENGINEERING CURRENT
CONTRACT DATA SUMMARY
SHOWING ALL CONTRACT WORK
AWARDED OR UNDERWAY

JULY 1, 1974 TO JUNE 30, 1975

Table	Type of Construction	No.	Value of Contracts Awarded	Amount Earned FY 1974-75
A	<u>MAJOR THOROUGHFARES</u>			
	A-1 Street Construction	3	\$ 1,118,833.	\$ 5,685,926.
	A-2 Chann. & Traffic Sig.	12	665,468.	330,445.
B	<u>SECONDARY ROADS</u>			
	B-1 Reconstruction	23	1,657,577.	951,736.
	B-2 Resurfacing	1	178,222.	277,825.
C	<u>STREET IMPROVEMENT</u>			
	C-1 Assessments	3	106,420.	85,447.
	C-2 Private Development	0	0.	334,000.
D	<u>ENVIRONMENTAL WASTE CONTROL</u>			
	D-1 Pipe Sewers	15	3,258,804.	557,370.
	D-2 Monolithic Sewers	1	1,296,719.	1,965,600.
	D-3 Water Pollution Control	7	664,618.	1,629,907.
	D-4 Pump Stations	1	87,470.	169,597.
E	<u>STREET BEAUTIFICATION</u>	14	4,117,781.	1,636,656.
F	<u>RECREATION & PARK</u>	27	1,430,234.	1,016,267.
G	<u>MISCELLANEOUS</u>			
	G-1 Bldg. & Structures	12	581,531.	471,978.
	G-2 Parking Facilities	0	0.	44,723.
	G-3 Slides	4	143,576.	137,296.
	G-4 Auxiliary Water Supply	9	3,057,068.	1,553,672.
	TOTAL	132	\$18,364,321.	\$16,514,445.
H	<u>APPOINTMENTS</u>	65	\$ 807,247.	\$ 1,063,256.

APPENDIX 1

	<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT EARNED</u>
<u>A-1 Street Construction</u>					
A-1	Army St Circle - Contract 3 Engstrum & Nourse	4-14-71	8-21-74	2,914,626.	18,626.
	Market St - 5th to 7th Contract 1 McGuire & Hester	12- 1-71	95%	1,734,227.	121,805.
	Market St - Front to 5th Contract 2 McGuire & Hester	4-26-72	98%	2,293,403.	324,800.
	Geary Blvd Underpass at Masonic Dan Caputo Co.	5-31-72	1- 2-75	2,440,960.	801,260.
	Market St - Brick Purchase Higgins Brick Co.	4-23-71	84%	596,800.	170,113.
	Market St - Grate Purchase Clympic Foundry	5- 1-72	89%	352,985.	67,316.
	Market St - Traffic Signal Equip. C. E. Toland	5- 1-72	10%	724,296.	104,962.
	Market St - Light Purchase Abbett Elect. Corp.	5-10-72	59%	1,383,244.	393,538.
	Market St - Powell St Mall McGuire & Hester	2- 2-73	99%	516,910.	68,600.
	San Jose Ave Bridge & Chann. Brooks to Rosseau Homer J. Olsen	4-20-73	8-10-74	501,020.	16,020.
	Webster St - Bush to Geary Westate Const. Co.	8- 8-73	8-16-74	226,128	15,448.
	Market St - 8th to McCoppin Contract 3 Westate Engineering Co.	9- 7-73	88%	3,048,676.	1,596,400.
	Market St - Grant to Stockton Contract 4 Homer J. Olsen	11-9-73	93%	254,642.	38,400.
	Market St - Fremont to First Contract 2B Homer J. Olsen	12-21-73	95%	148,479.	74,600.
	Judah St - 4th Ave to 20th Ave Track Reconstruction Homer J. Olsen	5- 8-74	90%	1,852,667.	1,681,800.
	Jackson St - Grant to Kearny Pavement Reconstruction Annuzzi Concrete Service	12- 4-74	2-21-75	33,338.	33,338.
	Fairfax Ave - Newhall to Keith E. Mitchell	2-26-75	39%	397,456.	153,900.
	Evans Ave - 3rd to Jennings Street Widening	5-14-75	0%	688,039.	0.
	A-1 TOTAL AWARDED & EARNED DURING FISCAL YEAR 74-75			1,118,833.	5,685,926.

APPENDIX I

A-2	DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
	<u>A-2 Channelization & Traffic Signals</u>				
	Various Locations - Traffic Signals - Contract 9 Abbett Electric Corp	7-18-73	7-26-74	58,572.	372.
	Various Locations - Traffic Signals - Contract 30 R. Flatland Co	10-17-73	6-18-74	106,117.	817.
	Various Safety Problems - Traffic Sig. Contract 2A L. K. Comstock Inc.	12-5- 73	12-18-74	150,477.	89,177.
	Lincoln Way - Kezar Drive Traffic Signals Abbett Electric Corp	3-20-74	12- 2-74	36,984.	36,984.
	Test Welds on Market St Traffic Signal Equipment Testing Engineers	10-18-74	3-29-75	14,995.	14,995.
	Northern Waterfront Lighting & Signals R. Flatland	10-30-74	50%	79,528.	39,700.
	Downtown Traffic Signals R. Flatland	12- 4-74	97%	59,855.	58,100.
	Traffic Signals 4th & Townsend Steiny	12-27-74	69%	26,126.	17,900.
	Various Locations Traffic Signals - Contract 3 Amelco	1-29-75	17%	73,606.	12,500.
	SFFD Traffic Signal Pre-empt Controls Abbett Electric Corp	2-14-75	0%	31,966.	0.
	Various Traffic Signals Contract 3 - R. Flatland Co	3-26-75	23%	150,970.	35,300.
	Precita Ave at Folsom Traffic Signals Abbett Electric Corp	3-28-75	0%	20,521.	0.
	Signals - Various Locations Contract 4 R. Flatland Co	4- 2-75	48%	51,273.	24,600.
	Portola Drive Signals Various Locations Abbett Electric Corp	4-18-75	0%	12,395.	0.
	Traffic Signals - Contract 32 Various Locations Abbett Electric Corp	4-18-75	0%	58,821.	0.
	Traffic Signals - Contract 2 Various Locations R. Flatland	6- 6-75	0%	85,412.	0.
	A-2 TOTAL AWARDED & EARNED DURING FISCAL YEAR 74-75			665,468.	330,445.

APPENDIX I

B-1

<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT EARNED</u>
<u>B-1 Reconstruction</u>				
Various - Sidewalk Narrowing Cable Car Routes Abbett Electric Corp	2- 2-73	5-16-75	98,566.	28,866.
Harney Way Widening Sign Structures R. Flatland Co	2-15-74	7-19-74	55,377.	3,277.
Griffith St & Cakdale Pavement & Sewer L. Mitchell Inc.	2-27-74	10-18-74	64,746.	30,046.
Washington St - Montgomery to Sansome - Street Widening O. C. Jones	2-27-74	99%	100,261.	40,700.
Redev. Area D-1 - Yerba Buena New Street Ventorini Corp.	5-17-74	12-13-74	66,934.	66,934.
Leith St - Fairfax to Evans Improvement Mitchell Inc.	3-27-74	2- 3-75	92,041.	48,241.
Frederic St - Crescent to Tompkins Reconstruction Annuzzi Concrete	3-27-74	7-29-74	25,622.	3,422.
John Muir Drive Bicycle Path Area Engineering	5-24-74	5-26-74	81,591.	81,591.
Farmington - 16th to 32nd Reconstruction Lowell Paving Co	6-26-74	11-11-74	85,738.	85,738.
Shields St - Arch to Bryant Reconstruction Annuzzi Concrete	6-21-74	10- 7-74	40,861.	40,861.
Evante, Putnam & Bradford Pavement and Sewer Annuzzi Concrete	7- 3-74	11- 9-74	146,538.	146,538.
Various Locations - Sidewalks Driveways, curbs & Gutters McIntosh	7-19-74	6-30-75	31,321.	31,821.
Redevelopment - Area A-2 Curb reconstruction Bureau of Street Repair	7-31-74	10-24-74	9,354.	9,354.
Steiner St - Union to Green Reconstruction California Paving Co	8-7-74	12-19-74	30,791.	30,791.
Castro St - Pavement Recon & Sewer Replacement Annuzzi Concrete	9-4-74	1-11-75	80,247.	80,247.
Redev. Area A-2 - Curb Reconstruction (Freedom West 2) Merlo	9-11-74	11-15-74	14,286.	14,286.

APPENDIX I

<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT EARNED</u>
Sacramento St - Pavement Recon C. C. Jones	1-29-75	5- 9-75	51,460.	51,460.
Sanchez St - 20th to 21st & Liberty St - Church to Rayburn Annuzzi Concrete	2-21-75	79%	227,092.	179,400.
Henry St, Castro to Noe Pavement & Sewer Rosas	3-26-75	31%	54,898.	17,200.
Buchanan St - Grove to Hayes Pavement, Sewer, Street Lights Rosas	4- 2-75	15%	46,770.	5,900.
Redevelopment Area A-2 Curb Reconstruction Annuzzi Concrete	4-11-75	0%	10,540.	0.
Sidewalk Ramps for Handicapped Contract 1 Annuzzi	4-30-75	0%	26,650.	0.
Anderson St - Crescent & Jarboe Pavement Reconstruction California	4-30-75	0%	53,800.	0.
Twenty Seventh St - Noe to Sanchez - Pavement Reconstruction Lowrie	5-14-75	0%	42,775.	0.
Clay St - Kearny to Montgomery Pavement Reconstruction Rosas	5-28-75	0%	44,692.	0.
Galvez Ave - Sidewalk Narrowing & Related Work E. Mitchell	6- 6-75	0%	417,753.	0.
Norfolk St - & 12th St Pavement and Sewer Annuzzi	6-18-75	0%	120,295.	0.
France & Italy Avenues Pavement Reconstruction C. C. Jones	6-18-75	0%	33,990.	0.
Divisadero St - Pacific to Washington - Pavement & Sewer Annuzzi Concrete	6-18-75	0%	82,310.	0.
Twenty Second St Pavement Reconstruction Annuzzi Concrete	6-18-75	0%	23,490.	0.
Fifteenth St - San Bruno to Vermont - Pavement Lowrie Paving	6-18-75	0%	18,152.	0.
Sidewalk Ramps for Handicapped Contract 2 Valentine	6-27-75	0%	36,910.	0.
Filbert St - Pavement & Sewer O. C. Jones	6-27-75	0%	52,963.	0.
B-1 TOTAL AWARDED & EARNED DURING FISCAL YEAR	74-75		1,657,577.	951,736.

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B-2	DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
	<u>B-2 Resurfacing</u>				
	Harney Way #4 - Jamestown to Bayshore Lowrie Paving	5-17-74	11-27-74	126,725.	126,725.
	Valencia & other Streets Resurfacing Kubit	3-26-75	85%	178,222.	151,100.
	B-2 TOTAL AWARDED & EARNED DURING FISCAL YEAR 74-75			178,222.	277,825.

C-1	CONTRACT SUBMISSION FROM TO	CONTRACTOR	AWARDED	COMPLETED	CONTRACT AMOUNT
	<u>C-1 Assessment</u>				
	Could St - Salinas to Paul Footana	Footana	1-26-74	75%	75,000.
	Northeast St - Mendocino to Perrito	Annuzzi	10-31-73	7-19-74	122,417.
	Highway 22 - Fourteenth to Barnston	Footana	7-3-74	11-27-74	76,030.
	Mineral St - South of Santa St Footana	Footana	11-26-74	80%	82,000.
	Harvey St - Imposition to Oldham Cole	Cole	11-8-75	52%	28,390.
	C-1 TOTAL AWARDED DURING FISCAL YEAR 74-75				106,420.
	TOTAL VALUE OF WORK COMPLETED DURING FISCAL YEAR 74-75				88,447.

C-2	<u>C-2 Private Development</u>				
	Ht. Luteo Woods - #8	Sunny Dev.	5-19-67	54%	4,000.
	Ht. Sunny Drive	Sunny Dev.	3-18-66	95%	5,800.
	Mista Shenandoah - #2	Sunset Gras.	10-6-71	12-1-73	26,100.
	Lake Merced Hills	C.B.I.	2-2-73	4-25-75	140,000.
	Princeton, Amerst & Yale Sts	Western Sub.	6-6-73	9-30-74	120,000.
	TOTAL AWARDED DURING FISCAL YEAR 74-75				0.
	TOTAL VALUE OF WORK COMPLETED DURING FISCAL YEAR 74-75				334,000.

D-1	DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
	<u>D-1 Pipe Sewers</u>				
	Fremont - Beale - Main Annuzzi Concrete	6-15-73	7-24-74	97,146.	16,246.
	Diamond St - 23rd to 24th Sepco Inc.	1-16-74	6-11-74	94,279.	14,479.

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<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT EARNED</u>
Franklin St - Pacific to Vallejo Dale Williams	3-29-74	9- 6-74	95,964.	66,964.
Capp St - 24th to 25th Bepeco Inc.	5-24-74	9-11-74	40,080.	40,080.
Sacramento at Montgomery Emergency Kennelly & Regan	7-26-74	9-10-74	13,780.	13,780.
Geary Blvd - Masonic to Lyon Emergency Dalton Construction Co	7-26-74	9-17-74	18,808.	18,808.
Guerrero St Emergency Sewer Work Dale Williams	7-31-74	9-27-74	54,784.	54,784.
Mission St - St. Mary's Ave to Alemany - Viaduct Sewer Shaw	10-16-74	2- 5-75	61,338.	61,338.
Diamond St - 26th to Clipper Sewer Replacement Bepeco Inc.	11-20-74	1-11-75	21,578.	21,578.
Twenty Fourth St - Michigan to Georgia - Sewer McGuire & Hester	11-20-74	86%	37,773.	32,200.
Market St - Spear & Steuart Sts Sewer & AVSS Work Dale Williams	12-20-74	33%	279,190.	90,800.
Sanchez St - Emergency Sewer & Pavement Covey	1-15-75	3-26-75	25,352.	25,352.
Lombard St - Montgomery to Sansome - Sewer Soil Engineering	1-22-75	3-19-75	25,783.	25,783.
Jackson St at Cooper Alley Repair Sewer Annuzzi Concrete	2- 7-75	3-24-75	382.	382.
26th St - Douglass to Diamond Emergency Sewer Work Jardin	3-12-75	4-25-75	31,688.	31,688.
Felton & Goettingen Street Sewer Enlargement McGuire & Hester	3-14-75	0%	236,658.	0.
Day St - Noe to Sanchez Emergency Sewer Work Soil Engineering	4- 4-75	4-30-75	43,108.	43,108.
NPCTP Contract 1 Force Main in Indiana Street Homer J. Olsen	4- 9-75	0%	2,117,291.	0.
Courtland Avenue Sewer and Resurfacing McGuire & Hester	6-27-75	0%	291,291.	0.
D-1 TOTAL AWARDED & EARNED DURING FISCAL YEAR	74-75		3,258,804.	557,370.

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	DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
D-2	<u>D-2 Monolithic Sewers</u>				
	Hyde Street Outfall Consolidation Homer J. Olsen	6-12-74	96%	1,644,811.	1,579,900.
	Arthur Avenue - Sewer Extension - Contract I Homer J. Olsen	12-27-74	30%	1,296,719.	385,700.
	D-2 TOTAL AWARDED & EARNED DURING FISCAL YEAR 74-75			1,296,719.	1,965,600.
D-3	<u>D-3 Water Pollution Control Plants</u>				
	Hydrologic & Hydraulic Data Recording System L. F. E. Corp.	8-14-70	81%	364,868.	0.
	SEWPCP Sludge Processing E. Mitchell Co.	8-18-72	12-5-74	100,709.	15,502.
	SEWPCP Gas Recirculation - 6 & 10 Scott Co.	3-22-73	97%	563,770.	52,484.
	SEWPCP Gas Recirculation Group #1 Monterey Mechanical	3-28-73	3-12-75	1,635,375.	133,875.
	NPWPCP Flocculation Scott Co.	4-13-73	12-7-73	116,824.	12,924.
	SEWPCP Sludge Filtration #2 Monterey Mechanical	9-22-73	4-4-75	1,476,254.	681,354.
	SEWPCP Chemical Feed. E. Mitchell Co.	8-1-73	5-20-74	30,422.	3,782.
	NPWPCP Outfall Diffusers Havside-Hastings	1-2-74	7/4%	569,860.	375,900.
	RSWPCP Seal Digester Roof Universal Painting	1-12-74	8-30-74	11,586.	6,186.
	SEWPCP Sludge Filtration Hoppers Dalzell Corp.	4-12-74	96%	281,400.	326,600.
	SEWPCP Sedimentation Tank Improvements ATB Construction	11-29-74	1%	237,989.	2,000.
	Hydrologic Data Acquisition E. Mitchell Co.	3-26-75	12%	158,569.	18,800.
	SEWPCP Waste Gas Utilization S & C Corporation	4-16-75	0%	40,000.	0.
	RSWPCP Influent Distribution Channel Modifications Walters	5-9-75	0%	13,333.	0.
	RSWPCP Headworks Painting Orrell	5-23-75	0%	23,127.	0.

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<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT EARNED</u>
SEWPCP Spur Track & Chlorination Improvements Monterey Mechanical	6- 6-75	0%	92,800.	0.
NPWPCP Chlorination & Dechlorination - Contract 2 McCrory	6- 6-75	0%	98,800.	0.
D-3 TOTAL AWARDED & EARNED DURING FISCAL YEAR 74-75			664,618.	1,629,907.

D-4

D-4 Pumping Stations

County Jail No 2 & 4 Pump Station & Force Main Dalton Construction Co	11-21-73	1- 2-75	473,388.	72,788.
Baker Street Outfall Replace Slate Deck E. J. Finnerty	3-20-74	9- 9-74	2,332.	9,339.
Mariposa Street Pump Station Force Main Relining Dalton Construction Co	10-30-75	1-22-75	87,470.	97,470.
D-4 TOTAL AWARDED & EARNED DURING FISCAL YEAR 74-75			87,470.	169,597.

E

E - Street Beautification

Market Street - Steuart to 7th Sidewalk Trees L. K. Comstock	6-27-73	99%	445,436.	119,800.
Mission Area - Street Lights Abbett Corporation	11-28-73	8-19-74	63,942.	17,542.
Various - Western Addition Underground Service Connections Custom Electricity	3-20-74	7-25-74	2,015.	2,015.
Powell & Stockton - California to Broadway - Street Lights Abbett Electric Corp.	2- 6-74	92%	41,270.	35,100.
Telegraph Hill Blvd Embankment Restoration Tamel Construction Co	5-17-74	10- 2-74	46,523.	46,523.
Mission St - BARTD Station Area Remove Palm Trees Wilkerson	5-29-74	8- 1-74	4,992.	4,998.
Midtown Terrace Street Lights Stage 1 R. Flatland	7-26-74	3-26-75	77,374.	77,374.
Hunters Point Redevelopment Area Street Landscape - Contract 1 Ins. Co. of North America	9- 4-74	87%	26,892.	25,500.
Sunset Blvd. Reconstruct Irrigation Shooter	9- 4-74	98%	69,749.	68,500.

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<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT EARNED</u>
Market Street - Furniture Christensen & Foster	9-20-74	43%	1,192,226.	503,500.
Laurel Heights - Street Lighting Abbett Electric Corp.	11-27-74	41%	98,335.	40,400.
Grant Avenue - Root Prune Trees Melton	12-27-74	3-21-75	3,160.	3,160.
Benches at Bus Stops Contract 1A Merlo	12-27-74	3-17-75	5,520.	5,520.
Relocate Path of Cold Castings Sheedy	1-24-75	3-21-75	4,224.	4,224.
Market Street - UM Plaza Phase 1 Homer A. Olsen	1-29-75	26%	2,464,637.	652,500.
Height St Improvement at Stanyan Street Ruizar	3-14-75	0%	9,687.	0.
Castle Manor Area - Street Lighting R. Flatland	3-14-75	65%	39,890.	26,000.
Underground Service Connection Contract 3 Mahoney	4-30-75	0%	1,350.	0.
Benches at Bus Stops - Contract 2 Tamel Construction Co	6-18-75	0%	23,506.	0.
Parmerwood Area - Street Lighting Mahoney	6-27-75	0%	101,231.	0.
TOTAL AWARDED & EARNED DURING FISCAL YEAR 74-75			4,117,781.	1,636,656.

F

F - Recreation & Park

Hungers Point Area - Ridge Point Plaza Landscaping Dejaque Construction Co	10-10-73	8-23-74	179,742.	45,742.
Dayview Playground Irrigation System Tamel Construction Co	1- 4-74	7- 9-74	66,364.	10,664.
Marina Small Craft Harbor Waste Discharge Pumping Duncanson-Harleson	3- 1-74	10-30-74	69,767.	27,267.
Funston Playground Rehabilitate Light System Brayer Electric	6-19-74	11-15-74	69,591.	69,591.
Marina Small Craft Harbor Steel Strips on Wood Piles Valentine	7- 3-74	10- 4-74	16,400.	16,400.
Various Locations - Protective Lighting - Contract 1 - Rec-Park R. Flatland	7-19-74	95%	104,730.	100,300.

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<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT EARNED</u>
Zoo - Log barrier at Hippo Exhibit Barreca	7-19-74	11-7-74	7,489.	7,489.
Hunters Point Redevelopment Tot Lots for Site 3 Tamal Construction Co	8- 9-74	2-21-75	134,023.	134,023.
Golden Gate Park Panhandle Rehabilitate Irrigation System Munkdale	8-16-74	4-11-75	62,940.	62,940.
S.F. Zoo - Hippo Pool Drainage Huizar & Sons	8-23-74	3- 7-75	10,537	10,537
S.F. Zoo - Rehab Water Piping for Parrots & Apes DiGiorgio & Sons	8-23-74	11-29-74	8,554.	8,554.
Mission Playground Rehab. Floodlights Mahoney	9-18-74	1-17-75	23,169.	23,169.
Lake Merced - Bicycle Path C. C. Jones	9-20-74	12-11-74	42,231.	42,231.
Jackson Playground - Floodlights Mahoney	9-27-74	66%	142,197.	94,500.
Candlestick Park - Parking Lot Resurface Lowrie Paving Co	9-27-74	3- 4-75	72,060.	72,060.
Marina Small Craft Harbor Landscape Pave & Irrigation Munkdale	11-15-74	96%	106,849.	103,300.
Three Children's Play Area Improvements Tamal Construction Co	12-20-74	99%	88,530.	88,300.
Lake Merced Recreational Development Near Brotherhood Way Valley Crest	2-28-75	59%	39,328.	23,000.
Crocker-Amazon Playground Lights Steiny	3-14-75	20%	65,713.	13,000.
Webster St - Bush to O'Farrell Median Landscape Land Co.	3-28-75	98%	20,702.	20,200.
Marina Small Craft Harbor Seawall Reconstruction California Engineering	4-16-75	94%	42,285.	39,800.
Zoo Pump Station "A" Replace Sewage Pumps McCrory	4-18-75	0%	48,000.	0.
Visitation Valley Play Area Rehab Tamal Construction Co	5- 2-75	6%	49,160.	3,200.
Bayview Playground Chain Link Fence Alcorn	5-16-75	0%	1,875.	0.

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<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT EARNED</u>
Sansome St - Green to Filbert Rockfall Barrier Valentine	11- 6-74	3- 8-75	42,485.	42,485.
C-3 TOTAL AWARDED & EARNED DURING FISCAL YEAR 74-75			143,576.	137,296.

G-4

G-4 Auxiliary Water Supply

Taylor Street - Beach to Bay E. Mitchell Co.	5- 1-74	12-20-74	133,455.	133,455.
Fire Protection Pump Station No. 1 - Convert to Diesel S & C Corp.	2-17-74	90%	272,747.	720,100.
Fire Department Storage Shed at Pipe Yard C. Huizar & Sons	8- 9-74	1-24-75	28,528.	28,528.
Redevelopment Area 1-2 Fire Protection - Contract 1 Faircy	3-14-75	61%	85,146.	51,800.
Third St - Mariposa to 4th St AWSS Extension Faircy	5- 6-75	0%	173,035.	0.
Purchase AWSS Castings Olympic	7-10-74	40%	225,000.	133,791.
Purchase AWSS Hydrants Olympic	3-17-75	0%	217,151.	0.
Purchase AWSS Gate Valves American	11-20-74	37%	126,244.	111,900.
Purchase Command & Control System for SFPD Automatic Science	9-12-74	44%	1,573,344.	372,409.
Inspect & Test AWSS Castings Runt	9-26-74	15%	3,170.	1,729.
22nd Station - High Pressure Pump Station 2 - Diesel Drive Diesel	6-27-75	0%	617,000.	0.
G-4 TOTAL AWARDED & EARNED DURING FISCAL YEAR 74-75			3,057,068.	1,553,672.

H

A - Appointments

Market Street Clampi & Warnecke	10-23-68	67%	100,000.	23,493.
Hydraulic Model Water Resources	1-30-70	87%	4,000.	0.
Hydrological Model Water Resources	1-29-70	98%	218,925.	39,484.
Submarine Outfall Parkhurst	4- 8-70	6- 5-75	332.	0.

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DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
Baker Street Outfall Engineering Science	3-27-70	5-24-71	14,844.	1,484.
Market Street Trees Valley Crest	5-29-70	93%	343,932.	34,246.
Rainfall Data Franzini	11-25-70	4-30-71	2,200.	0.
Soil Materials Soil & Plant Lab.	3-12-71	84%	1,000.	127.
Architect & Engineering Service Royston - H & B	3-24-71	86%	49,500.	0.
Lab. Services Brown & Caldwell	5-19-71	10-31-71	1,028.	0.
Wet Weather Study Watermation	8-19-70	11-30-70	550.	0.
Test Soils Soil & Plant Lab	2-16-72	0%	1,000.	0.
Army St - Consult Lee & Praszker	2-16-72	8-31-72	3,309.	0.
Test Materials Abbot Hanks	5- 3-72	10-16-74	160.	160.
Market St - Inspection Clampi & Warnecke	6-26-72	76%	165,000.	37,666.
Lake Merced Plant - Arch Hardison & Komatsu	7-12-72	0%	4,500.	0.
Traffic Sign Purchase Toland & Son	7-14-72	45%	61,552.	16,697.
Geary Underpass - Consult Woodward-Lun	8-25-72	10-19-74	1,543.	573.
Upper Market Reconstruct Whisler & Patri	10-11-72	30%	71,000.	12,103.
Pilot Plant Studies CH2M-Hill	10-25-72	1-16-75	1,182,272.	267,303.
Yerba Buena Sewer Subsurface Dames & Moore	11-22-72	6-29-73	2,095.	0.
Cross town Transport System Dames & Moore	12- 4-72	12-19-74	16,473.	5,818.
Marine Biota Brown & Caldwell	2- 9-73	57%	301,500.	202,000.
Waste Water Management Gilbert	5-30-73	36%	5,000.	0.
Wet Weather Evaluation Eng Science	6- 8-73	12-31-74	150,315.	24,454.
Ocean Toxicity Smith	7-11-73	76%	4,500.	1,372.

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<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT EARNED</u>
Hydrologic Data - Maint Wisner & Becker	8- 3-73	9-19-74	33,646.	4,569.
Ocean Toxicity Newcombe	8- 8-73	17%	4,500.	750.
Ocean Toxicity Wilde	8- 8-73	18%	4,500.	0.
Ocean Toxicity McGauhey	8- 8-73	0%	4,500.	0.
Waste Water Manage Gilbert	8- 8-73	0%	5,000.	0.
Testing Machine - Repair Pacific Scientific	8-15-73	7-29-74	1,221.	1,221.
Waste Water - Advise Gilbert	11- 2-73	10- 8-74	58,869.	9,572.
Material Testing Hales	2- 5-73	7-16-74	960.	735.
Waste Water - Manage Fudavsky	12- 7-73	11-22-74	1,000.	1,000.
Log Cabin - Ground Env. Dames & Moore	1-11-74	12-18-74	5,000.	1,472.
Water Pressure Surge Fluid Kinetics	1-30-74	9- 5-74	4,530.	4,530.
Pipe Inspection HornKohn	3-15-74	7-15-74	263.	263.
Hydraulic Model U of Cal	3-27-74	2-18-75	4,800.	4,800.
San Jose Ret. Wall - Review Hawke	4- 3-74	20%	4,353.	984.
HPWPCP Inspect Diffusers Pan Marine	4- 5-74	71%	20,000.	14,263.
Crosstown Transport - Soils Woodward & Lun	4-17-74	75%	5,000.	0.
Water Pressure - Analysis Fluid Kinetics	4-24-74	11-12-74	4,945.	4,945.
Materials - Evaluate Hales	5- 1-74	8-15-74	370.	220.
Slide Repairs - Various Dames & Moore	5-22-74	93%	4,000.	3,740.
Play Equipment Tamal	3-15-74	7-22-74	1,664.	1,664.
Inspect Welding Testing Engineers	5-17-74	9-12-74	4,918.	4,918.
Overview Facilities Plan J. B. Gilbert	5- 3-74	89%	150,000.	133,653.

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<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT EARNED</u>
RSWPCP - Chemical Feed E. Mitchell Co	3-22-74	12-18-74	22,406.	2,606.
RSWPCP - Digester Gas Pipe E. Mitchell Co	6- 7-74	30%	25,000.	7,429.
Environmental Impact Report Stokes	5-29-74	4-10-75	19,214.	19,914.
Television Sewer Investigation Aernout	7- 3-74	11-21-74	9,999.	9,999.
Hydraulic Model - Const & Test U of California	7-12-74	2-10-75	4,900.	4,900.
Pump Sed. Tank J M Squared	7-17-74	63%	1,300.	822.
Materials - Test & Evaluate Abbot Hanks	7-17-74	1-22-75	930.	930.
Ocean Ave - Pedestrian Crossing Dames & Moore	7-31-74	1- 6-75	3,403.	3,403.
Crane Inspection Bay Area Crane-Hoist	8- 9-74	1-30-75	380.	380.
NPCPS - Plans & Spec Systems Control	8- 9-74	4-30-75	19,997.	19,997.
Box for MUNI phone Yick Co. Inc.	8- 7-74	11- 6-74	410.	410.
Inspect Shop Welds Testing Engineers	8-28-74	62%	4,000.	2,464.
Inspect Field Welds Testing Engineers	8-28-74	54%	4,000.	2,168.
Hydraulic Model U of California	9- 4-74	1-21-75	2,500.	2,500.
Archeological Survey Heid	9-25-74	11- 7-74	130.	130.
Maintain SFHHDAR Honeywell	10-11-74	31%	45,000.	16,521.
Repair TV Surveillance JHK Video	10-18-74	4-25-75	600.	600.
Plans & Specs - Galvez Playfield Schadt	10-25-74	46%	33,000.	15,325.
TV Inspection of Sewers Aernout	11-22-74	5-20-75	11,000.	11,000.
Repair Hydrologic Data System Airdraulics Co.	11-27-74	58%	4,000.	2,323.
Modify flow model U of California	11-27-74	50%	4,900.	2,450.
Acoustic & Vibration Tests Maineri	12- 6-74	1-28-75	1,750.	1,750.

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<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT EARNED</u>
Slide Repair Studies Dames & Moore	12- 6-74	57%	4,950.	2,816.
Evaluate Hydrologic Data Phanartziis	12-11-74	0%	15,500.	0.
Inspect Digester Roof - RSWPCP Hunt	12-13-74	6-20-75	695.	695.
Emergency grout Balboa St Pressure Grout Co.	12-18-74	1-28-75	3,871.	3,871.
Evaluate Construction Materials A. Hanks	12-18-74	51%	2,000.	1,025.
Revenue Program Preparation Stone & Youngberg	12-20-74	0%	12,500.	0.
Balboa St - Drill & Case holes Lauttenberg	1- 3-75	2-25-75	3,078.	3,078.
Inspect Concrete Pipe - Hyde St Hornkohl	1-10-75	4- 3-75	94.	94.
Architectural Design of SEMPCP Hardison	1-22-75	82%	5,000.	4,099.
Design Criteria - NP & SEMPCP CH ₂ M - Hill	1-22-75	0%	4,900.	0.
Hydraulic Model - NPCTS U of California	1-24-75	50%	4,900.	2,450.
Pump Tests - High Pressure Station 2 Maineri	1-24-75	2-28-75	1,126.	1,126.
Oceanographic & Toxicity Study North	2-14-75	0%	4,500.	0.
Test Aluminum Casting Hunt	2-19-75	5-26-75	482.	482.
Plans & Specs - GGP Children's Playground Painter	2-21-75	25%	12,000.	2,961.
Waste Water Management Stokes	3- 7-75	33%	22,000.	7,335.
Calibrate Testing Machine Pacific	3- 7-75	0%	800.	0.
Industrial Waste Program CH ₂ M - Hill	3-14-75	0%	5,000.	0.
Repair Pumps on Telegraph Hill Pacific	3-14-75	0%	1,500.	0.
Aerial Photo - maps Towill	3-19-75	6-11-75	4,950.	4,950.
Inspect Digester - RSWPCP Hunt	3-21-75	6-20-75	2,535.	2,535.

APPENDIX I

<u>DESCRIPTION AND CONTRACTOR</u>	<u>AWARDED</u>	<u>COMPLETION DATE OR %</u>	<u>CONTRACT AMOUNT</u>	<u>AMOUNT PAID</u>
Test Water proofing pitch Hales	3-21-75	5- 9-75	378.	378.
Ocean Outfall Environment Report Brown & Caldwell	3-28-75	0%	27,800.	0.
Architectural Service - Rec-Park Royston	4- 4-75	0%	20,000.	0.
Transcript of Hearing Tooker	4- 9-75	6-24-75	54.	54.
TV Inspection of Sewers Aernout	4-16-75	18%	12,000.	2,160.
Evaluate Welding Testing Eng.	4-23-75	56%	20,000.	11,247.
Camera for TV Surveillance JHK Video	4-30-75	0%	600.	0.
Soils Study for North Shore Outfalls Dames & Moore	4-30-75	0%	65,000.	0.
Test Iron Castings Hunt	5- 9-75	0%	300.	0.
Acoustic & Vibration Tests Maineri	5-14-75	0%	1,750.	0.
Soils Study for North Shore Outfalls Cooper	5-21-75	0%	40,000.	0.
Soil Investigation on NPCO Woodward	5-30-75	0%	5,000.	0.
Drawings for Outfall Consolidation Towill	6- 4-75	0%	4,958.	0.
Soil Investigation - Channel Outfalls	6-11-75	0%	35,000.	0.
Model Studies Channel Pump Station U of California	6-13-75	50%	4,800.	2,400.
Sewer Studies Water Resources	6-13-75	0%	4,300.	0.
Soil Study - SEWPC Plant Woodward	6-20-75	0%	4,300.	0.
Underwater Inspection PanOMarine	6-20-75	0%	20,000.	0.
Soil Study - WSTP Harding	6-20-75	0%	72,500.	0.
Aerial Photos Towill	6-25-75	0%	4,577.	0.
Architectural Design Hardison	6-25-75	0%	5,000.	0.

(PREPARED BY)

DESCRIPTION AND CONTRACT	AWARDED	COMPLETION DATE, OR %	CONTRACT AMOUNT	AMOUNT EXPENDED
Maintenance Manual for 337767 CH2M - Hill	5-21-75	100	51,000.	0.
TOTAL AWARDED AND EXPENDED DURING THIS FISCAL YEAR			\$ 694,957.	\$1,042,234.

MARTD - Appointments

Castro Street Station	1-17-75	100	107,191.	0.
Embarcadero Street Station	5-15-75	5-15-75	12,312.	12,312.
Van Ness Street Station	7-17-75	5-27-75	3,917.	3,917.
Church Street Station - Sewer	5-27-75	1-18-75	1,343.	1,343.
Church Street Station Rehabilitation	6-17-75	0	106,600.	0.
TOTAL AWARDED AND EXPENDED DURING THIS FISCAL YEAR			\$ 112,310.	\$1,027.

APPENDIX II

BUREAU OF ARCHITECTURE
CURRENT CONTRACT DATA SUMMARYShowing All Contract Work Awarded or Under Construction
July 1, 1974 - June 30, 1975

I Contracts Awarded During Fiscal Year 1974-1975

Table	Type of Construction	Contracts No.	Awarded Aggregate Value	Amount Expended Fiscal Year 1974-1975
A-1	New School Construction	11	\$22,092,513.00	\$ 4,604,579.00
A-2	Misc. Alterations - Schools	74	32,275,027.00	16,483,756.00
A-3	Acoustical	1	2,894.00	0
A-4	Roofing Jobs	1	28,878.00	28,878.00
A-5	Resilient Flooring	1	5,833.00	5,833.00
A-6	Int. & Ext. Painting	1	30,472.00	30,472.00
A-7	Yard Paving	4	304,247.00	206,466.00
B-1	Fire Dept. - New Const.	2	1,616,219.00	1,063,915.00
B-2	Fire Dept. - Alterations	1	309,000.00	0
C-1	S.F. General Hospital	4	30,043,569.00	19,583,319.00
C-2	Laguna Honda Hospital	4	108,527.00	44,179.00
C-3	Health Center Buildings	2	72,238.00	72,238.00
D	De Young Memorial Museum	3	104,398.00	75,843.00
E	Youth Guidance Center	2	73,451.00	51,638.00
F	Civic Center	11	269,000.00	159,818.00
G	Hall of Justice	4	120,783.00	67,680.00
H	Miscellaneous	19	1,850,009.00	738,006.00
	Sub Totals	145	\$89,307,058.00	\$43,216,620.00

II Other Contracts Under Construction During Fiscal Year 1974-1975

Table	Type of Construction	Contracts No.	Awarded Aggregate Value	Amount Expended Fiscal Year 1974-1975
A-1	New School Construction	6	\$ 5,353,026.00	\$ 1,962,886.00
A-2	Misc. Alterations - Schools	28	12,724,537.00	6,957,464.00
A-3	Acoustical Work	1	2,894.00	0
A-4	Roofing Jobs	1	28,878.00	28,878.00
A-5	Resilient Flooring	1	5,833.00	5,833.00
A-6	Int. & Ext. Painting	1	30,472.00	30,472.00
A-7	Yard Paving	2	182,515.00	174,887.00
B-1	Fire Dept. - New Const.	2	1,616,219.00	1,063,915.00
B-2	Fire Dept. - Alterations	1	309,000.00	0
C-1	S.F. General Hospital	2	30,030,400.00	8,270.00
C-2	Laguna Honda Hospital	4	108,527.00	44,179.00
C-3	Health Center Buildings	2	72,238.00	72,238.00
D	De Young Memorial Museum	1	8,624.00	4,599.00
E	Youth Guidance Center	0	0	0
F	Civic Center	5	99,105.00	45,933.00
G	Hall of Justice	1	45,400.00	6,820.00
H	Miscellaneous	7	780,979.00	566,115.00
	Sub Totals	65	\$51,398,647.00	\$10,972,489.00

III All Contracts Awarded or Under Construction Fiscal Year 1974-1975

Table	Type of Construction	Contracts No.	Awarded Aggregate Value	Amount Expended Fiscal Year 1974-1975
A-1	New School Construction	5	\$16,739,487.00	\$ 2,641,693.00
A-2	Misc. Alterations - Schools	46	19,550,490.00	9,526,292.00
A-3	Acoustical Work	0	0	0
A-4	Roofing Jobs	0	0	0
A-5	Resilient Flooring	0	0	0
A-6	Int. & Ext. Painting	0	0	0
A-7	Yard Paving	2	121,732.00	31,579.00
B-1	Fire Dept. - New Const.	0	0	0
B-2	Fire Dept. - Alterations	0	0	0
C-1	S.F. General Hospital	2	13,169.00	19,575,049.00
C-2	Laguna Honda Hospital	0	0	0
C-3	Health Center Buildings	0	0	0
D	De Young Memorial Museum	2	95,774.00	71,244.00
E	Youth Guidance Center	2	73,451.00	51,638.00
F	Civic Center	6	169,895.00	113,885.00
G	Hall Of Justice	3	75,383.00	60,860.00
H	Miscellaneous	12	1,069,030.00	171,891.00
Totals		80	\$37,908,411.00	\$43,216,620.00

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-1 NEW SCHOOL CONSTRUCTION					
Hunters Point South School Gen. Const. (3420-R) Strauss Const.Co., Inc.	12-20-72	5-29-75	\$2,906,164.	\$1,120,196.	Special Fund
City College of S.F. (3533) Gen. Const. Arntz Bros.	2-21-73	99%	\$1,295,014.	\$ 158,804.	S.F.Comm. College
John L. Roberts Development Center - New Bldg. (3539) M & H Construction	6-20-73	4-9-74	\$ 162,478.	\$ 20,813.	District
City College of S.F. (3604) Interim Student Health Facility M & H Construction Co.	9-14-73	7-2-74	\$ 71,456.	\$ 17,024	S.F.Comm. College
City College of S.F. (3688) Social Science Classroom & Lab Bldg. (Cloud Hall East) The Pacific Company	8-23-74	16%	\$6,761,789.	\$ 745,737.	S.F.Comm. College
Treasure Island School New Classrooms (3584) Mapco JV	3-29-74	99%	\$ 880,270.	\$ 608,405.	Field Act Project
Treasure Island School (3600-R) Four Classroom Addition Mapco JV	9-25-74	85%	\$ 349,000.	\$ 221,808.	Field Act Project

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-1 NEW SCHOOL CONSTRUCTION (continued)					
Emerson School (3690) New Child Care Center Transwestern Const. Co.	6-26-74	11-24-74	\$ 37,644.	\$ 37,644.	Child Care Center
Daniel Webster Elem. School New Classroom & (3585-R) Admin. Bldg. Arntz Bros.	7-26-74	73%	\$1,644,050.	\$1,092,465.	District
Mission Staging School (3707) Gen. Construction Nibbi Bros., Inc.	12-18-74	55%	\$1,048,648.	\$ 581,683.	Field Act Project
City College of S.F. (3721) Downtown Community College Education Center Dickman Const., Inc. and Dickman Builders, Inc. JV	6-20-75	0	\$6,936,000.	0	S.F. Comm. College
Total Aggregate Value and Amount Expended			\$22,092,513.	\$4,604,579.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS					
Galileo High School (3490) Reconst. of West Bldg. De Narde Const. Co.	3-2-73	8-20-74	\$1,576,332.	\$ 192,532.	Field Act
Galileo High School (3548) Install, Clean etc. Drapes Kinell of California	5-2-73	3-14-75	\$ 4,119.	\$ 519.	District
Winfield Scott School (3528) Reconstruction S.J. Amoroso Const.Co.Inc.	5-30-73	9-3-73	\$ 224,309.	\$ 25,493.	Field Act
Alamo School (3503) Reconstruction S.J. Amoroso Const.Co.Inc.	6-29-73	11-4-74	\$2,007,901.	\$ 800,927.	Field Act
Mission High School (3500) Reconstruction Phase I S.J. Amoroso Const.Co.Inc.	8-5-73	99%	\$1,805,300.	\$ 883,866.	Field Act
Le Conte School (3530) Reconstruction Nibbi Bros., Inc.	9-14-73	5-17-74	\$ 497,168.	\$ 83,927.	Field Act
J Eugene McAteer High School (3609) Wire Mesh Enclosures Anchor Post Products, Inc. of California	11-21-73	99%	\$ 17,827.	\$ 150.	District

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
Alvarado School (3534-R) Reconstruction De Narde Const. Co.	12-21-73	99%	\$ 893,018.	\$ 298,010.	Field Act
Board of Education (3661) Room 209 Floor Styles Commercial Corporation	4-19-74	0	\$ 1,090.	0	District
West Portal School (3627) New 4 Classroom Bldg. Mapco Const. Corp.	4-19-74	99%	\$ 187,094.	\$ 133,990.	Field Act
Aptos Jr. High School (3628) Reconstruction Phase II De Narde Const. Co.	4-24-74	2-25-75	\$ 643,182.	\$ 643,182.	District
Lafayette School (3588) Reconstruction De Narde Const. Co.	4-24-74	9%	\$1,091,000.	\$ 906,923.	Field Act
City College of S.F. (3665) Relocatable Bldg. to a Radiologic Tech. Lab. Transwestern Const. Co.	5-3-74	99%	\$ 57,751.	\$ 37,320.	S.F. Comm. College
Pelton Jr. High School (3673) Carpeting Don Ermann Associates	5-24-74	9-18-74	\$ 1,069.	\$ 1,069.	District

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
Dudley Stone School (3536) Reconstruction Arntz Bros., J.W. & Sons, Inc. & Arntz Contracting Company	5-29-74	83%	\$1,048,694.	\$ 767,046.	Field Act
Galileo High School (3602) Reconst. of Gym Bldg. Nibbi Bros., Inc.	5-29-74	99%	\$ 337,504.	\$ 292,281.	Field Act
Horace Mann Jr. High School (3618) Reconst. Phase I De Narde Const. Co.	5-29-74	97%	\$1,365,095.	\$1,201,584.	Field Act
Grant School (3681) Demolition Peralta & Son Excavators	6-12-74	10-5-74	\$ 39,870.	\$ 39,870.	Field Act
Unity Jr. High School (3679) Modifications to Bldg. Nibbi Bros., Inc.	6-19-74	10-17-74	\$ 4,437.	\$ 4,437.	District
James Denman Jr. High School (3649-R) Alterations to Gym Bldg. & Portable Bleachers Transwestern Const. Co.	6-21-74	2-1-75	\$ 26,009	\$ 26,009.	District
Abraham Lincoln High School (3672) Replace Underground Steam Pipe Broadway Plumb. Co., Inc.	6-26-74	99%	\$ 91,322.	\$ 81,367.	District

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
Francisco Jr. High School (3647) Reconstruction Work Nibbi Bros., Inc.	6-26-74	99%	\$ 591,974.	\$ 532,024.	Field Act
Woodrow Wilson High School Snack Bar (3684-R) Leon Carlen	6-26-74	8-20-74	\$ 4,938.	\$ 4,938.	District
John Adams CC Education Center Boys' Gym Remodeling (3615) for Child Care Pilot Program Leon Carlen	7-17-74	12-26-74	\$ 22,825.	\$ 22,825.	S.F. Comm. College
Sherman School (3526-R) Phase I - Reconstruction A & P Construction, Inc.	7-17-74	99%	\$ 40,340.	\$ 37,488.	Field Act
J Eugene McAteer High School (3683) Grandstand & Misc. Work S.J. Amoroso Const. Co.	7-17-74	93%	\$ 423,677.	\$ 347,368.	District
John O'Connell School of Technology Relocation of Shoe (3678) Repair Shop A & P Construction	8-9-74	99%	\$ 17,753.	\$ 15,817.	District
Yerba Buena School (3622) New Relocatable Bldgs. Nibbi Bros., Inc.	8-7-74	4-1-75	\$ 168,935.	\$ 168,935.	Field Act

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
Balboa High School (3610) Reconst., Phase I Arntz Bros., Arntz Contracting Co., & J.W. & Sons, Inc. JV 8-21-74		60%	\$2,399,679.	\$1,311,053.	Field Act
Unity Jr. High School (3708) Const. New Exterior Wall Nibbi Bros., Inc.	8-28-74	10-17-74	\$ 1,100.	\$ 1,100.	District
Presidion Jr. High School (3589) Reconstruction Beacon Const. Co., J.W. & Sons, Inc., & K. T. & Sons, Inc., A Joint Venture	8-28-74	60%	\$3,070,790.	\$1,666,759.	Field Act
Commodore Stockton Annex (3603) Reconstruction Nibbi Bros., Inc.	8-28-74	99%	\$ 439,050.	\$ 387,072.	Field Act
James Denman Jr. High School (3716) Shop Equipment Utility Connections Rudolph Electric	8-28-74	7-18-75	\$ 1,800.	\$ 1,800.	District
J Eugene McAteer High School (3699) Toilet Additions to Cafeteria S.J. Amoroso Const.Co.Inc.	9-13-74	92%	\$ 112,149.	\$ 93,064.	District

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
Galileo High School (3605) Reconstruction of East Building De Narde Const. Co.	9-13-74	76%	\$1,614,418.	\$1,115,666.	Field Act
City College of S.F. (3711) Relocation of Portable Building The Pacific Company	9-20-74	99%	\$ 51,575.	\$ 45,338.	S.F. Comm. College
Horace Mann Jr. High School (3674) Reconstruction, Phase 2 M & H Construction Co.	9-25-74	95%	\$ 435,445.	\$ 372,305.	Field Act
Le Conte Children's Center (3698) Gen. Construction Transwestern Const. Co.	9-25-74	94%	\$ 139,600.	\$ 113,923.	Children Centers
Treasure Island School (3710) Undergrounding of Overhead Line & Pole Line Mods. Mapco JV	9-25-74	99%	\$ 40,420.	\$ 36,014.	Field Act
John Muir (3623) Reconstruction Work S. J. Amoroso Const. Co.	10-23-74	75%	\$ 926,976.	\$ 619,168.	Field Act
Sheridan School (3620) New Portable Classroom Bldg. Christensen & Foster	10-23-74	99%	\$ 820,135.	\$ 730,741.	Field Act

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
Guadalupe School (3725) Fire Damage Repair Florence Woodcraft Co.	10-23-74	12-23-74	\$ 4,695.	\$ 4,695.	District
Raphael Weill School (3619) Reconstruction Work DeNarde Const. Co.	11-15-74	63%	\$1,096,041.	\$ 621,536.	Field Act
Balboa High School (3744) Emergency Fire Damage Repair Rudolph Electric	11-15-74	1-13-75	\$ 2,620.	\$ 2,620.	District
Edison School (3613) Reconstruction Work Nibbi Bros., Inc.	11-15-74	55%	\$1,079,000.	\$ 530,556.	Field Act
Hawthorne School (3599) Reconstruction Work Nibbi Bros., Inc.	12-18-74	57%	\$1,125,577.	\$ 579,064.	Field Act
Alamo School (3629) Landscaping Work Sibbald Construction	12-18-74	99%	\$ 6,791.	\$ 6,051.	Field Act
Benjamin Franklin Jr. High Misc. Alterations (3706) Florence Woodcraft Co.	12-18-74	3-9-75	\$ 7,384.	\$ 7,384.	District

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
West Portal School (3590) Reconstruction Phase I De Narde Const. Co.	1-8-75	60%	\$ 888,349.	\$ 482,475.	Field Act
Board of Education (3705) Computer Install. S/370 The Brookman Co., Inc.	7-26-74	3-3-75	\$ 64,283.	\$ 64,283.	District
Marshall School Annex (3718) New Shelter A & P Const. Inc.	2-19-75	0	\$ 7,895.	0	Field Act
E. R. Taylor School (3612) Reconstruction Work Martinelli Const. Co.	4-25-75	15%	\$1,060,000.	\$ 98,461.	Field Act
Luther Burbank Jr. High School (3757) Fire Damage Repair De Narde Const. Co.	5-7-75	60%	\$ 79,131.	\$ 42,731.	District
Monroe School Phase I (3697-A) Reconstruction Cleveland Wrecking Co.	5-21-75	0	\$ 16,735.	0	Field Act
Mission High School (3774) Reconstruction Phase II Cleveland Wrecking Co.	5-30-74	0	\$ 82,600.	0	Field Act

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
Everett Jr. High School (3614) Reconstruction Work Nibbi Bros., Inc.	5-21-75	0	\$2,879,905.	0	Field Act
Portola Jr. High School (3776) Reconstruction Phase I Edward Company	6-4-75	0	\$ 8,422.	0	Field Act
Bryant School (3778) Reconstruction Work Phase I Edward Company	6-4-75	0	\$ 6,185.	0	Field Act
Fairmount Elemen. School (3768) Reconstruction Phase I A & P Construction Inc.	6-6-75	0	\$ 115,543.	0	Field Act
Roosevelt Jr. High School (3770) Construction Phase One A & P Construction Inc.	6-6-75	0	\$ 98,538.	0	Field Act
Emerson School (3780) Reconstruction Phase I Toilet Rooms Transwestern Const. Inc.	6-6-75	0	\$ 50,721.	0	Field Act
McKinley School (3781) Reconstruction Work Phase I Site Services Nibbi Bros., Inc.	6-6-75	0	\$ 22,549.	0	Field Act

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
Marshall School (3786) Reconstruction Work Phase I Portable Classroom Relocation H. E. Rahlmann Co.	6-6-75	0	\$ 13,164.	0	Field Act
Geary School (3659-A) Reconstruction Phase I Transwestern Const. Inc.	5-30-75	0	\$ 17,421.	0	Field Act
Parkside School (3784) Reconstruction Phase I Herbert Petersen & sons	5-30-75	0	\$ 10,980.	0	Field Act
Sunnyside School (3773) Reconstruction Phase I Demolition Ferma Corp.	5-30-75	0	\$ 4,390.	0	Field Act
Page-Broderick Children's (3789) Center - New Stainless Steel Kitchen Countertop Robert Thoma	6-25-75	0	\$ 2,100.	0	District
City College of S.F. (3800) Nursing/Allied Health Learning Center Herbert Petersen & Sons	6-27-75	0	\$ 39,880.	0	S.F. Comm. College

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
San Miguel School (3777-R) Reconstruction Phase I Edward Company	7-11-75	0	\$ 5,600.	0	Field Act
E. R. Taylor School (3788) Bungalow Conversion Children's Center Nibbi Bros. Inc.	7-11-75	0	\$ 93,835.	0	District
Sheridan School (3795-R) Reconstruction Phase II Adam Arras & Son Inc.	7-11-75	0	\$ 86,632.	0	Field Act
Various Schools (3799) Sutro, McCoppin & Peabody Schools Reconstruction Phase I Nibbi Bros., Inc.	7-11-75	0	\$ 13,513.	0	Field Act
Guadalupe School (3779) Reconstruction Phase I Relocation of Utilities Transwestern Const. Inc.	6-6-75	0	\$ 32,924.	0	Field Act
Laguna-Golden Gate Children's Center Patio-Kitchen Alter. (3732) Ernie Lowe	7-18-75	0	\$ 7,954.	0	Children's Center

Total Aggregate Value and Amount Expended

\$32,275,027. \$16,483,756.

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-3 ACOUSTICAL WORK					
Gough-Page Children's Center Acoustical Work (3787) & Related Work The Sono-Ceil Co.	6-25-75	0	\$ 2,894.	0	Child Care Center
Total Aggregate Value and Amount Expended			\$ 2,894.	0	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-4 ROOFING JOBS					
LeConte School (3671) New Roofing Bender Roofing, Inc.	6-26-74	7-29-74	\$ 28,878.	\$ 28,878.	District
Total Aggregate Value and Amount Expended			\$ 28,878.	\$ 28,878.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-5 RESILIENT FLOORING					
Edison Children's Center (3667)					
Carpet Removal - New Resilient Flooring James A Smith Co.	6-26-74	10-22-74	5,833.	\$ 5,833.	Children Centers
Total Aggregate Value and Amount Expended			\$ 5,833.	\$ 5,833.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-6 PAINTING					
Page-Broderick Children's Center (3664)					
Misc. Alterations Exterior Painting H. E. Rahlmann Co.	6-26-74	11-21-74	\$ 30,472.	\$ 30,472.	Children Centers
Total Aggregate Value and Amount Expended			\$ 30,472.	\$ 30,472.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-7 YARD PAVING					
Various Schools (3686)					
Resurfacing Yard Paving & Painting Game Lines Malott & Peterson-Grundy	6-26-74	8-15-74	\$ 174,887.	\$ 174,887.	District
Abraham Lincoln High School (3747)					
Yard Paving & Repair Pacific Surfacing, Inc.	12-18-74	85%	\$ 38,987.	\$ 31,579.	District
Mission Staging School (3766)					
Playground Development Adam Arras & Son, Inc.	12-23-74	0	\$ 82,745.	\$ 0	Field Act
Farragut School (3803)					
Children's Center Interior Painting J. Wm. Sorensen, Inc.	7-18-75	0	\$ 7,628.	0	Child Care Center
Total Aggregate Value and Amount Expended			\$ 304,247.	\$ 206,466.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
B-1 FIRE DEPARTMENT - NEW CONSTRUCTION					
Engine Co. No. 3 (3486-R)					
Gen. Construction Stenmark Construction Co.	2-6-74	47%	\$ 553,320.	\$ 218,068.	Fire Dept. Bond Issue
Engine Co. No. 1 (3591)					
Gen. Construction Perini Corporation	5-10-74	96%	\$1,062,899.	\$ 845,847.	Fire Dept. Bond Issue
Total Aggregate Value and Amount Expended			\$1,616,219.	\$1,063,915.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
B-2 FIRE DEPT. ALTERATIONS					
Central Fire Alarm Station (3634)					
Alterations Wm. McIntosh & Son	5-28-75	0	\$ 309,000	0	Fire Dept.
Total Aggregate Value and Amount Expended			\$ 309,000.	0	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
C-1 SAN FRANCISCO HOSPITAL					
S.F. Medical Center (3300-R)					
Hospital Building The Wm. Simpson Const. Co.	6-9-71	97%	\$30,018,556.	\$19,572,844.	S.F. Medical Center
S.F. General Hospital (3446-R)					
Enclose Main Stairs Psychiatric Bldg. 90 A & P Construction Co.	11-28-73	90%	\$ 11,844.	\$ 2,205.	General
S.F. General Hospital (3694)					
Alterations to Dept. of Anesthesia, 2nd Floor Bldg. 1C Leon Carlen	7-24-74	2-28-75	\$ 8,270.	8,270.	General
S.F. General Hospital (3703)					
Surgical Lights, Bldg. #1 Crown Iron Works	7-26-74	0	\$ 4,899.	\$ 0	General
Total Aggregate Value and Amount Expended			\$30,043,569.	\$19,583,319.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
C-2 LAGUNA HONDA HOSPITAL					
Laguna Honda Hospital (3522) Smoke Barriers & Fire Doors M & H Construction Co.	3-16-73	8-13-74	\$ 71,660.	\$ 14,251.	General
Laguna Honda Hospital (3646) Range Hood Dry Chemical Fire Protection System Main Kitchen Firemaster	5-22-74	0	\$ 4,257.	0	General
Laguna Honda Hospital (3669) Automatic Fire Sprinklers Bldgs. K, M, O - Storage Spaces Pacific Automatic Sprinkler Co.	5-5-74	5-20-75	\$ 6,945.	\$ 6,945.	General
Laguna Honda Hospital (3695) Hot Water Controls for Dishwashers Goldman & Son	5-24-74	99%	\$ 25,665.	\$ 22,983.	General
Total Aggregate Value and Amount Expended			\$ 108,527.	\$ 44,179.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date of %	Contract Amount	Amount Expended	Fund
C-3 HEALTH CENTER BUILDINGS					
Dept. of Public Health (3574) Alterations to Bldg. at 2335 Ocean Avenue Erbenbraut & Summers	8-10-73	10-25-74	\$ 67,168.	\$ 67,168.	General
Central Emergency Hospital Misc. Alterations (3643) Silva Construction Co.	4-5-74	10-4-74	\$ 5,070.	\$ 5,070.	General
Total Aggregate Value and Amount Expended			\$ 72,238.	\$ 72,238.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
D - DE YOUNG MEMORIAL MUSEUM					
De Young Memorial Museum (3583-R) Center of Asian Art & Culture Leon Carlen	11-21-73	3-10-75	\$ 8,624.	\$ 4,599.	General
Museums (Fine Arts) of S.F. (3709) De Young Memorial Museum Calif. Palace of Fine Arts Security & Fire Detection Sys. Decker Electric Co.	10-16-74	99%	\$ 79,960.	\$ 71,244.	General
De Young Memorial Museum (3765) East Wing - Skylight Reconstruction Collier Bldg. Specialties Installed by Bertino Const. Corp.	5-7-75	0	\$ 15,814.	0	General
Total Aggregate Value and Amount Expended			\$ 104,398.	\$ 75,843.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
E - YOUTH GUIDANCE CENTER					
Youth Guidance Center (3645-R) Renovations to Cottage G-2 Transwestern Const., Inc.	7-31-74	12-14-74	\$ 30,517.	\$ 30,517.	General
Youth Guidance Center (3713) Renovations to Cottage B-2 Transwestern Const. Co.	9-20-74	54%	\$ 42,934.	\$ 21,121.	General
Total Aggregate Value and Amount Expended			\$ 73,451.	\$ 51,638.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
F - CIVIC CENTER					
City Hall, Room 160 (3564) Alterations Wm. McIntosh & Son	11-7-73	8-26-74	\$ 51,666.	\$ 21,519.	General
War Memorial Opera House (3525) Recarpeting Conklin Bros., Inc.	3-1-74	8-1-74	\$ 15,950.	\$ 1,882.	General
War Memorial Opera House (3662) New Cyclorama & Related Rigging Contractors Iron Works	4-19-74	8-13-74	\$ 11,609.	\$ 11,609.	General
City Hall - Tax Collector's Office - (3676) New Interior Lighting Elec. Const. & Sales Co.	6-7-74	12-1-74	\$ 10,923.	\$ 10,923.	General
City Hall - Superior Court Room 420 Recarpeting Judges Chambers and Ante Room (3729) ABA Floor Covering Co., Inc.	10-11-74	1-6-75	\$ 1,061.	\$ 1,061.	General
War Memorial Opera House (3733-R) Oxychloride Flooring Oakland Terrazzo Co., Inc.	11-13-74	1-30-75	\$ 1,424.	\$ 1,424.	General
City Hall - County Clerk's Office Alterations (3730) Transwestern Const. Inc.	11-13-74	88%	\$ 30,400.	\$ 27,211.	General

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
F - CIVIC CENTER (continued)					
Mission Pool & Playground (3598) Rehabilitation S. Chr. Jorgensen	11-20-74	54%	\$ 113,352.	\$ 69,906.	General
War Memorial Opera House (3720) Safety Modifications to Freight Elevators Montgomery Elevator Co.	1-22-75	0	\$ 9,375.	0	General
War Memorial Opera House (3755) Alterations to Existing Ticket Office Bay Construction Co.	2-28-75	6-9-75	\$ 14,283.	\$ 14,283.	General
City Hall (3794) Toilet Facilities for the Handicapped H. E. Rahlmann Co.	7-25-75	0	\$ 8,957.	0	General
Total Aggregate Value and Amount Expended			\$ 269,000.	\$ 159,818.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
G - HALL OF JUSTICE					
Hall of Justice (3607) Municipal & Superior Court Security Measures Phase I Cormac	11-21-73	87%	\$ 45,400.	\$ 6,820.	General
Hall of Justice (3700) Municipal & Superior Courts Security Measures - Phase II Leon Carlen	7-31-74	90%	\$ 8,650.	\$ 7,006.	General
Hall of Justice (3416-R) Security Traffic Control Phase II Elec. Const. & Sales	10-23-74	99%	\$ 39,195.	\$ 34,923.	General
Hall of Justice (3745) Alterations to Rm. 565 S.F.P.D. Internal Affairs J. H. Nielsen	2-5-75	95%	\$ 27,538.	\$ 18,931.	General
Total Aggregate Value and Amount Expended			\$ 120,783.	\$ 67,680.	

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
H - MISCELLANEOUS					
Zoological Gardens of S.F. (3448) New Animal Hospital and Service Bldg. Mission Contractors JV	8-10-73	3-10-75	\$ 413,611.	\$ 225,813.	General
Richmond Police Station (3550) Emergency Security Measures Mapco Const. Corp.	2-15-74	11-1-74	\$ 38,337.	\$ 15,788.	General
Joseph Lee Recreation Center (3638) Rehabilitation Work, Phase I Wm. McIntosh & Son	5-29-74	1-30-75	\$ 102,166.	\$ 102,166.	General
North Point Water Pollution (3648-R) Misc. Interior Painting Orrell-Keefe, Inc.	5-31-74	2-11-75	\$ 58,580.	\$ 58,590.	General
S.F. Police Dept. Pistol Range Security Measures (3677) Transwestern Const. Inc.	6-19-74	95%	\$ 31,528.	\$ 27,001.	General
Visitacion Valley Fieldhouse (3653) Rehabilitation Work Silva Const. Co.	4-19-74	4-15-75	\$ 13,706.	\$ 13,706.	General
Central Shops - Purchasing Dept. Twin Post Hoists (3693) Fletcher, Eagan, & Paradiso	7-31-74	0	\$ 26,868.	0	General

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
H - MISCELLANEOUS (continued)					
Richmond Branch Library (3652) Interior Painting A. Quandt & Sons, Inc.	8-7-74	11-7-74	\$ 5,458.	\$ 5,458.	General
Mission Branch Library (3651) Renovation Work Leon Carlen	8-21-74	99%	\$ 24,810.	\$ 22,105.	General
S.F. County Jail #2 (3691) Showers Men's Bldg. San Bruno Co. Jail Madsen Const. Co.	9-11-74	5-6-75	\$ 123,051.	\$ 123,051.	General
Park Police Station (3731) Flagpole Replacement Florence Woodcraft Co.	10-23-74	12-23-74	\$ 550.	\$ 550.	General
Log Cabin Ranch School For Boys Exhaust Extractor (3714) Automotive Shop Florence Woodcraft Co.	10-23-74	3-19-75	\$ 4,875.	\$ 4,875.	General
Chinatown Branch Library Renovation Work (3717) A & P Construction Co.	10-23-74	88%	\$ 22,747.	\$ 18,159.	General
S.F. County Jail #2 (3642-R) Dental Facility Men's Bldg. Madsen Const. Co.	11-6-74	96%	\$ 29,208.	\$ 26,068.	General

CURRENT CONTRACT DATA 1974-75

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
H - MISCELLANEOUS (continued)					
S.F. County Jail #2 (3749) New Educational Facilities First Flr. - North Wing Madsen Const. Co.	12-27-74	25%	\$ 124,192.	\$ 28,935.	General
Southeast Police Station (3746) Skylight Crown Iron Works	1-17-75	0	\$ 4,350.	0	General
Joseph Lee Rec. Center (3753) Rehabilitation, Phase II Wm. Mc Intosh & Son	3-19-75	50%	\$ 105,439.	\$ 47,674.	General
Old South San Francisco Opera House (3630-R) Renovation & Plaza Proj. Wm. Mc Intosh & Son	4-9-75	3%	\$ 550,000.	\$ 18,067.	General
S.F. County Jail #2 (3748-R) Kitchen Renovations Men's Building Madsen Const. Co.	6-6-75	0	\$ 170,533.	0	General
Total Aggregate Value and Amount Expended			\$1,850,009.	\$ 738,006.	

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Annual Report 1975-1976

**Department of
Public Works**



**City & County of
San Francisco**



ANNUAL REPORT

OF THE

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF SAN FRANCISCO



JUNE 30, 1976

□

GEORGE R. MOSCONE
MAYOR

THOMAS J. MELLON
CHIEF ADMINISTRATIVE OFFICER

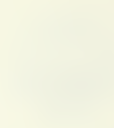
S. MYRON TATARIAN
DIRECTOR OF PUBLIC WORKS

□

COMPILED & DESIGNED BY RICHARD G. GLOSENGER, BUREAU OF ENGINEERING

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF THE HISTORY OF ARTS
AND ARCHITECTURE



1890

THE UNIVERSITY OF CHICAGO

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AND ARCHITECTURE

1890

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Cover: San Francisco's Mission Dolores as it appeared in 1928. The Mission was founded in 1776 and figured prominently in The City's bicentennial celebration.

MAYOR
GEORGE R. MOSCONE

**CHIEF
ADMINISTRATIVE
OFFICER**
THOMAS J. MELLON

DIRECTOR
S. MYRON TATARIAN

**DEPARTMENT OF
PUBLIC WORKS
CITY AND COUNTY OF
SAN FRANCISCO
JUNE 30, 1976
ORGANIZATION CHART**

**ASSISTANT TO THE
DIRECTOR**
JOHN E. CRIBBS

**BUREAU OF
ENGINEERING**
CITY ENGINEER AND
DEPUTY DIRECTOR
JEFFREY LEE

**BUREAU OF WATER
POLLUTION
CONTROL**
SUPERINTENDENT
JOHN CRAFTS

**GENERAL
OFFICE**

**BUREAU OF
ARCHITECTURE**
CITY ARCHITECT
NORMAN KARASICK

**BUREAU OF
STREET REPAIR**
SUPERINTENDENT
GORDON D. SPEARS

**BUREAU OF
ACCOUNTS**
SUPERVISOR
LESTER FONG

**BUREAU OF
SANITARY
ENGINEERING**
CHIEF SANITARY ENGR.
ALAN O. FRIEDLAND

**BUREAU OF
BUILDING
REPAIR**
SUPERINTENDENT
JOHN S. RUTHERFORD

**PERSONNEL
ADMINISTRATION**
SUPERVISOR
ALBERT C. AMBROSE

**BUREAU OF
BUILDING INSPECTION &
PROPERTY CONSERVATION**
SUPERINTENDENT
ROBERT C. LEVY

**BUREAU OF
STREET CLEANING
AND PLANTING**
SUPERINTENDENT
BERNARD M. CROTTY

**CENTRAL PERMIT
BUREAU**
SUPERVISOR
NORMAN MACHOL



CITY AND COUNTY OF SAN FRANCISCO
DEPARTMENT OF PUBLIC WORKS

OFFICE OF THE
DIRECTOR OF PUBLIC WORKS

November 15, 1976

380 CITY HALL
SAN FRANCISCO
CALIFORNIA 94102

Annual Report
1975-1976

Mr. Thomas J. Mellon
Chief Administrative Officer
City and County of San Francisco
289 City Hall

Dear Mr. Mellon:

I am pleased to submit herewith, in accordance with the provisions of Section 3.501 of the Charter of the City and County of San Francisco, the Annual Report of the Department of Public Works for the fiscal year ending June 30, 1976.

The regular departmental budget for the year totaled some \$44,300,000, which was derived mainly from general funds and gas taxes. The amount actually expended was \$38,400,000, which did not include large encumbrances being disbursed, but not yet finalized, for capital improvements. These amounts were also exclusive of fundings and expenditures from bond sources and Federal and state grants.

During the past year, the Department awarded 306 public contracts for construction and services estimated to cost approximately \$35,000,000 worth of work.

Private building activity was at an increased rate with 10,979 permits issued for approximately \$284,000,000 worth of construction. These figures, compared with those of the previous year, represented increases of about 1% and 55% respectively.

In addition to performing our routine functions, the Department expended special efforts in several high public impact activities as follows:

Opening the new San Francisco General Hospital Medical Center for occupancy. This \$30 million construction contract was awarded in 1971; and although the original scheduled date of occupancy was not achieved due to many construction difficulties, the citizens of San Francisco now have a fine public medical facility;

Advancing the design and planned construction of the Waste Water Management Plan by awarding two additional contracts in the North Point Crowsfoot Transport System, receiving bids on a \$13 million pumping station and finalizing plans and specification on \$180 million worth of large sewer construction on the north and east side of the city, to consolidate outfalls into the bay and to store waste water during the rainy season;

The beginning of construction of the new Social

Services Administration Building at Otis and Mission;

- Developing and obtaining Board of Supervisors approval of a solid waste management plan for San Francisco to satisfy state requirements with the help of representatives of scavenger companies, environmental groups, contractors, the power company, business groups and other City departments;
- The initiation of area-wide traffic control plans with the aid of neighborhood groups for the control and efficient flow of traffic through the judicious use of stop signs; and
- The essential completion of Phase I of the United Nations Plaza construction at Fulton and Market Streets and the award of Phase II of this project which is the construction of the fountain.

There was a considerable change in our top management during this past fiscal year. Mr. Keeno Frashina, the Acting Assistant Director in charge of our Maintenance and Operations Bureaus, retired on October 31, 1975, after 40 plus years of city service, with the last 36 years being with the Department. Mr. Hugh W. Hlatt, City Architect, retired on December 31, 1975, after 26 years of City service; and Mr. William A. Kastius, Assistant Superintendent of Building Inspection, retired on May 7, 1976, after 14 years of City service. In addition, on May 10, 1976, Mr. Jeffrey Lee, my former Assistant, was appointed City Engineer and Deputy Director of Public Works, to replace Mr. Robert Levy, who, after more than eight years of outstanding service, resigned to assume his previous Civil Service position as Superintendent of the Bureau of Building Inspection. In conjunction with these changes, the Division of Sanitary Engineering was removed from the Bureau of Engineering and given Bureau status to handle the billion dollar waste water program. Mr. Alan Friedland, the Chief Sanitary Engineer, was made head of this new Bureau.

The Assistant Directors, the Bureau Heads, their staffs and all the personnel of this Department have my sincerest appreciation for their continued fine efforts and cooperation. I am also very thankful to you for your help and support in matters affecting this Department.

Very truly yours,

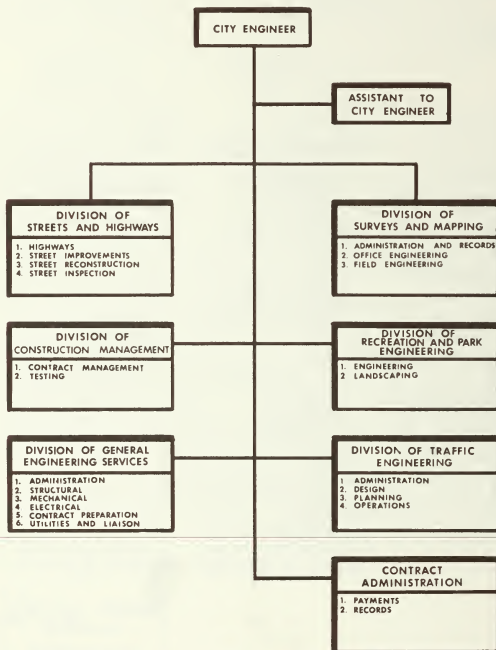
S. M. Tatarian
Director of Public Works

ORGANIZATION CHART

BUREAU OF ENGINEERING

DEPARTMENT OF PUBLIC WORKS

JUNE 30, 1976



BUREAU OF ENGINEERING
JEFFREY LEE, CITY ENGINEER

This fiscal year has been one of activity and change.

The Division of Sanitary Engineering was transformed into the Bureau of Sanitary Engineering, because of the emerging size and complexity of the work required by the Wastewater Management Program. The Bureau of Engineering however will continue to be deeply involved in this program through the use of our personnel in structural and electrical design, contract preparation and processing, and construction management.

Jeffrey Lee was appointed City Engineer on May 10, 1976 replacing Robert C. Levy. Bob Levy had been City Engineer since January 1969. He ably led the bureau through the difficult time of increased neighborhood and public participation in many of the bureau's programs and the beginnings of the "red tape" era, especially in regard to environmental concerns and federal participation in all areas of activity. His enormous effort in leading the development of the City's Master Plan for the Wastewater Management Program and in starting the implementation of this Program was a once-in-a-lifetime accomplishment which we will appreciate more and more in the years to come.

The continued decrease in the availability of gas tax funds and other funds have caused reduction of many of the bureau's capital program projects. The emphasis is now on maintenance and maintenance type work and it appears this trend will continue for some time into the future.

This year saw increased activity using funds made available by the Federal Highway Administration for the FAU Program. Projects for traffic signals, street resurfacing, and street lighting and improved traffic signing and pavement markings have been made possible through Federal funding.

This year saw the commencement of work in the Richmond District Protected Residential Area project resulting in strong objections being quickly raised by many residents of the district, despite extensive efforts on our part during the design stage to alert and acquaint the people in the affected area regarding the project. As this report goes to press, work has been halted on the project and it remains to be seen what the outcome will be.

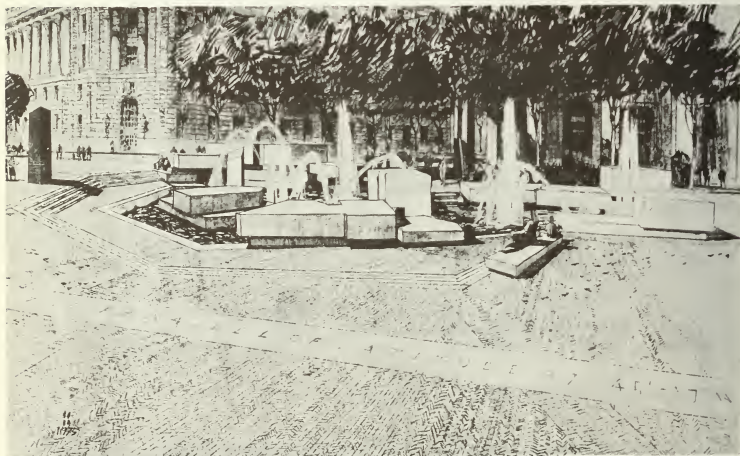
MARKET STREET BEAUTIFICATION PROGRESS

United Nations Plaza, Phase I, was completed this summer. There are some 117,000 square feet of brick paving, 18 mall

luminaires (lighting units) and 192 trees planted in this one acre plaza. The trees planted were named in honor of various U. N. personalities. The first tree was planted on June 26, 1975, by Mayor Alioto and dedicated in honor of the late Dag Hammarskjöld, U. N. Secretary General from 1953 to 1961. The last tree was dedicated to the late President Harry S. Truman.

United Nations Plaza, Phase II (Fountain), is presently under construction. The contractor is Homer J. Olsen. Scheduled completion date is August, 1977. The United Nations Plaza Fountain will be a dramatic environment of inscribed granite forms and water courses and pools. All materials used in the fountain-plaza will be complementary to those used on Market Street.

Sidewalk Beautification work on Market Street is nearly completed. One of the last phases of the beautification of Market Street will be Contract 5 which covers the area in the vicinity of Embarcadero Station at the foot of Market Street. Construction is scheduled for January, 1977. Also, as part of the 1968 Bond Issue, Contracts to beautify Market Street in the Church and Castro Street Station areas will also begin in January, 1977. The final phase provides for removal of Municipal Railway streetcar tracks when subway service begins beneath Market Street.



Above: Drawing of the U. N. Plaza Fountain, now under construction.

INDIA BASIN INDUSTRIAL PARK STREETS

Three street projects, with an aggregate construct total of over 1½ million dollars, were completed in this fiscal year as part of the City's participation in the India Basin Industrial Park Redevelopment Project. In cooperation with the San Francisco Redevelopment Agency, the sidewalks of Fairfax Avenue between Newhall and Keith Streets, Galvez Avenue between Third and Mendell Streets, and Newhall Street between Evans and Galvez Avenues were narrowed and the streets of Evans Avenue between Third and Jennings Streets and Mendell Street between Evans and Galvez Avenues were widened to satisfy street requirements for an industrial park development. These street projects will open an area of land for industrial and commercial development, thus improving the City's economic health, tax base and employment outlook.

The widening of Evans Avenue, the major street in the industrial park complex, includes installing new street lighting, undergrounding overhead utilities, providing two traffic lanes and one parking lane in each direction, and constructing a median island for future landscaping with provision for left turns.

The sidewalk trees, decorative sidewalks, landscaping and other aesthetic treatments in the industrial park will be installed by the Redevelopment Agency. In order to maintain the attractiveness of the project area, the Agency has requested the formation of a special maintenance district covering the maintenance of certain public improvements in the Industrial Park.

CHINESE RECREATION CENTER

In 1958 a recreation building was constructed on a relatively small lot on Washington Street near Mason in densely populated Chinatown. Incidental to the structure was the installation of a children's play area adjacent to the building. This small area has become one of the most heavily used parcels of property under City jurisdiction. Such intensive use for 18 years led to the need for rehabilitation and redesign of the site.

The dominant feature in the new installation is a wood play structure which provides a wide range of play apparatus including slides, climbing elements, and a play house. The structure is linked by play and seat decks to the existing sand box. A tire swing, climber and merry-go-round provide additional play options. Additional seating was incorporated into the design for the convenience of playground visitors.

GOLDEN GATE PARK, NORTH (DUTCH) WINDMILL RESTORATION

One of the great ironies relative to the history of Golden Gate Park was the shortage of irrigation water during the early stages of the Park's development when in fact a huge reservoir of fresh underground water was and is present under the surface at about the 160-foot level.

Prior to 1873 water for the irrigation of young trees and shrubs in the east end of the Park was hauled by horse drawn wagons from Spring Valley Water Company lines near Stanyan Street. The first wells in the Park were drilled in 1874 near Stanyan Street and water was obtained by steam driven pumps which at best were unreliable requiring the continued purchase of water from the Spring Valley Company.

When it was proposed to drill a well near the beach and, for the required power, to build a windmill to take advantage of the prevailing strong summer winds the idea was met with general skepticism. It was believed that the proximity of the site to the Ocean would result in saline well water. However, test borings were made in 1883 and the water was determined to be of a higher quality than that obtained from the Water Company. Due to the lack of funds no further action was taken until 1901 when the North (Dutch) Windmill was built. It was the largest windmill in the world at that time and was described as being capable of pumping 500 gallons of water per minute to a reservoir at the top of Strawberry Hill. A second windmill, the South (Murphy) Windmill, was built in 1905.

Two factors lead to their demise:

First, the mills were of such enormous size that the iron gears and wooden brake shoes were hard pressed to tolerate the forces involved even in moderate winds and with all canvas furled. In winds over 30 knots it was necessary to lash the spars to immobilize the machinery.

Second, continuing improvement in the electrical industry resulted in the substitution of electric power for wind power to pump the wells. Therefore the windmills were abandoned and allowed to deteriorate.

The deterioration progressed until about 1968 when certain citizens realized that a part of San Francisco's unique heritage was dying and decided to do something about it. What they did was actively campaign for federal, City, and private funds to finance the restoration of at least the North Windmill.

By 1971 enough funds were available to allow the Bureau of Engineering to prepare the preliminary and final contract plans for the project. However, the scope of the work was so

great that it did not appear that sufficient financing for actual reconstruction would be available in the foreseeable future.

The determined chairman of the Windmill Citizens Committee, Mrs. Eleanor Crabtree, would not accept delay, and succeeded in arranging a deal that is rare in the annals of City business.

Mrs. Crabtree, daughter of former Mayor Angelo J. Rossi, obtained the volunteer services of a Naval Reserve Unit stationed on Treasure Island to provide all labor for the construction work, with the City providing all material and supervision. After the necessary agreements were executed and insurance obtained a Seabee work detail appeared at the North Mill on August 21, 1976 and took the first steps toward reclaiming the old San Francisco landmark.

The fact that the windmill will pump no water is unimportant to the hundreds of citizens who have contributed funds for the project. The important consideration is that the structure will stand as a San Francisco historical exhibit for present and future generations.



Above: North Windmill at work about 1925, and as it appears today.

TELEGRAPH HILL EMBANKMENT LANDSCAPING

The problems associated with earth slides and ground movement on the northeast escarpment of Telegraph Hill have been with us since the middle of the last century. So it is fitting that the final corrections to these problems should span almost three years and be reported in two consecutive annual reports.

As reported in last year's publication, the start of the problem occurred when rock was removed from the east face of the hill in the 19th Century to provide ballast for the square rigged sailing ships that anchored in the Bay and to provide level areas shoreside from the piers. The subsequent rock falls and ground settlement was our legacy.

Last year's report described the structural corrections and the subsurface dewatering system that were installed. These corrections, though successful, resulted in a gunited basin downgrade from a retaining wall supporting Telegraph Hill Boulevard which presented a somewhat sterile foreground for the lovely views of the Bay and surrounding communities enjoyed from this area.

The gunited surface was an engineering necessity to prevent rainfall from soaking into the dewatered area. On the other hand planting with the related irrigation was necessary to cover the unattractive gunite.

The solution was to treat the surface as a roof garden with the application of an impervious membrane on the gunite and with over-lying layers of drain rock and loam. The irrigation system was activated with moisture sensors to provide the water necessary for plant survival but not sufficient to allow excessive runoff through and under the drain rock.

The soil depth being limited there was a possibility of a heat buildup in the soil so the type of plants were somewhat limited. Rhododendron, Azalea and Fern definitely could not be used.

Since the area would not be walked through and would only be viewed from above, the pattern of the planting was important. To form patterns of color, low ground cover was planted such as Dwarf Creeping Mazus, Wire Vine, Ivy, low plants of Statice Pennisetum and Agapanthus. Creeping Fig and Boston Ivy were planted to climb the walls. Small trees of Acacia and Melaleuca were planted where soil depth permitted. Blue Plumbago and varieties of Bougainvillea were placed to cascade over the barrier fence and hopefully over the cliff.

Three years after the structural corrections and almost a year after the landscaping touches were added, it appears that the

problems on Telegraph Hill inherited from the 19th Century have finally been overcome.

NORTH POINT CROSSTOWN TRANSPORT SYSTEM

The first series of contracts for the accelerated waste water program were started during this Fiscal Year. This series, known as the North Point Crosstown Projects, includes the construction of a massive sewage pump station at Channel Street and the construction of the force main discharge line from this pump station to the existing Southeast Water Pollution Control Plant at 1600 Jerrold Avenue, via Indiana Street. The contractual status of these projects are as follows:

Contract #1 consists of the installation of the force main and appurtenances in Indiana Street between Mariposa and Army Street. The contractor, Homer Olsen Inc. of Union City, has completed the installation of some 5,000 linear feet of 66 inch pre-cast reinforced concrete pipe as well as some 500 linear feet of 66 inch lined coated, and wrapped welded steel pipe. The installation of this pipe is substantially ahead of the anticipated schedule and the contractor's winning low bid was \$2,100,000.

Contract #3A extends the force main along the west end of Islais Creek from Army Street to Evans Avenue. The contractor, Homer Olsen Inc. of Union City, has successfully installed and tested some 1100 linear feet of 66 inch steel pipe as well as some 400 feet of 66 inch RCP pipe. The contractor's low bid on this project was \$944,000.

Contract #4 runs from Mariposa and Indiana Streets to Owens and Channel Streets and consists of 3200 linear feet of 66 inch RCP and 125 feet of lined, wrapped, and coated 66 inch steel pipe. Peter Kiewit & Sons' winning bid was \$1,400,000, and the project is currently about 25% complete and running well ahead of schedule.

Contract #6 is the Channel Pump Station. Bids were received on this, the largest of the sequence of contracts, on May 30, 1976 with an apparent low bidder of Cahill Construction Company Inc. whose winning bid was \$13,000,200. It is not anticipated that substantial work will begin on this project until the late fall of 1976 and will take some two and one-half ($2\frac{1}{2}$) years to complete.

The one remaining tie-in section of the 66 inch pipe which will extend into the expanded Southeast Water Pollution Control Plant has not yet been advertised pending approval of the proposed Southeast Plant expansion by the appropriate State and Federal agencies. This system composed of pump station and force main piping, is the largest ever constructed under the

Below and Right: Two views of the 66" diameter steel pipe used on the North Point Crosstown Project where it passes under the freeway near Islais Creek.



auspices of the Bureau of Engineering of the Department of Public Works. The system, when completed, will ultimately tie the North Point Water Pollution Control Plant at Bay and the Embarcadero to the Southeast Water Pollution Control Plant, which will in turn perform all necessary solids processing for the northeast quadrant of the San Francisco collector sewer system.

The photograph above shows the method of installation of the 66 inch internal diameter steel force main under the Freeway at Islais Creek. As can be seen, the piping was factory wrapped except at the joints which were seal-wrapped and hydrostatically tested in the field. The pipe was installed above ground in this vicinity due to cost considerations. It would have been necessary to under-pin the Freeway if conventional open cut methods had been used in this area. On the right side of this photograph one can note the old channel outfall which discharged combined sanitary and storm-water flow into the creek during rain. This will ultimately be phased out as part of the over-all waste water management program. It is also of interest to note that at certain intervals along the entire length of the force main special electrical manholes have been installed on the pipe to electronically monitor the flow and to transmit this information to a central computer complex which will control the functioning of the system.

The successful completion of the Hyde Street Outfall Consolidation contract last year (See the DPW Annual Report for Fiscal 1974-75) in the politically sensitive Fishermens Wharf area, well ahead of time and with minimum disruption of the merchants in the area; plus the installation of some two (2) miles of 66 inch force main piping, as part of the North Point Crosstown System, ahead of schedule and substantially below original estimated cost; demonstrate the capabilities of the City's Construction Management Program for handling the accelerated waste water treatment facility. These are excellent tune-ups for the \$200,000,000 in contract work anticipated in the coming fiscal year.

AREA-WIDE TRAFFIC CONTROL PLANS

In recent years requests for STOP signs have been received in increasing numbers. Rather than investigate each on an isolated basis, it was decided to start a program of studying entire districts at one time to develop a master plan for the ultimate locations of STOP signs. During the development of the plan, citizen input is invited by reviewing the proposals with neighborhood organizations, then scheduling the matter for public hearing and review by the Board of Supervisors.

The first area to be considered under this program, the Sunset Heights area, was completed during the past year. This area involved studies of 120 intersections of which 16 were recommended for immediate installation of STOP signs and 40 were recommended for future control.

Six additional areas are now being reviewed by neighborhood organizations. It is expected the review of the entire city will take about 2 years.

CITY-WIDE NEIGHBORHOOD SHOPPING DISTRICT PARKING SURVEY

To re-evaluate the existing municipal parking lots and the need for additional parking facilities in San Francisco's neighborhood shopping districts, the Department of Public Works, with the concurrence of the Parking Authority made parking surveys in 48 neighborhood shopping districts during the fall of 1975.

These districts encompassed 82.3 miles of curbside parking, as well as 22 municipal parking lots. The funding for this project (\$27,000) was made available from the Off-Street Parking Fund.

From the surveys, an apparent shortage of 2,191 parking spaces was found to exist in these areas. Assuming that increasing

the level of police enforcement of time-limit parking would reduce long-term parking by 50%, this shortage would be reduced to 1,250 parking spaces.

Based on the present parking supply in the various neighborhood shopping districts and the projected future increases in parking demand, it is estimated that a possible shortage of 2,336 parking spaces may exist by the year 1990. To relieve such present and future parking deficiencies, programs of proposed treatments were developed for those shopping districts having substantial parking shortages.

Treatments considered were basically the following:

1. Initiate time-limit parking on the main and side streets.
2. Install parking meters on the main and side streets.
3. Narrow sidewalks wherever possible and establish metered angle parking, but on the main street in the shopping district only.
4. Construct metered off-street parking facilities in the district.
5. Construct additional levels to existing off-street parking lots.

STREET INSPECTION RE-ASSIGNED TO TRAFFIC ENGINEERING DIVISION

A reassignment of street and sidewalk inspection duties was made by shifting that group from the Bureau's Division of Streets and Highways, essentially a design division, to the Division of Traffic Engineering.

This blending of two essentially service type groups is expected to make more efficient use of eyes on the streets and sidewalks to better serve the needs of both functions. The goals of good street and sidewalk inspection compliment the work of the traffic engineers in maintaining safety and mobility along the sidewalks and roadway.

Previous overlapping of interests in construction interferences in roadways and sidewalks, utility obstructions in pedestrian ways, maintenance of roadway and sidewalk surfaces, and resolving of vehicular accident and roadway claims are now combined under one unit. The change immediately brought about an improvement in communication of information on street pavement conditions in crosswalk areas painted by the traffic painters, curb changes needed in parking meter areas, and traffic signing vandalism or damages noticed by street inspectors for feedback to the Traffic Sign Shop.

STATISTICS

DIVISION OF SURVEYS AND MAPPING

1. MAPS

a. Subdivision Map Act and Land Surveyors Act Activities:

Condominium Maps Approved and Recorded-----	14
Parcel Maps Approved and Recorded-----	153
Record of Survey Maps Examined and Recorded-----	1

b. Street Actions:

Street Dedications-----	1
Street Vacations-----	6
Changes in Official Widths of Sidewalk-----	2

c. Survey Plats Prepared----- 2

d. Drawings Prepared for Studies Pertaining to Property, Street or Easement Actions----- 18

2. SURVEYS

a. Number of Surveys----- 96

Public Assessment-----	0
Bureau of Engineering-----	94
Bureau of Architecture-----	1
Recreation and Park Department-----	0
Municipal Railway-----	1

b. Extent of Surveys:

Topographic Surveys-----	230.7 - Acres
Design Data-----	2.2 - Miles
Construction Layout-----	13.2 - Miles
Post-Construction Examination-----	0.4 - Miles
Earth Movement Observations-----	14.5 - Miles
Block, Site and Lot-----	1.6 - Miles
Monument Lines-----	202.0 - Miles
Precise Level Network-----	44.2 - Miles
Miscellaneous-----	7.3 - Miles

Monuments:

Frames and Covers Reset-----	322 - Each
Examined, Repaired, Referenced-----	296 - Each

Bench Marks:

Established, Checked - 554 Intersections

c. Number of Survey Parties----- 6

3. MISCELLANEOUS

Reports to City Attorney's Office-----	9
Investigations for and Reports to the Board of Supervisors Regarding Appeals from Decisions of City Planning Commission-----	6
Legal Descriptions for Deeds Prepared and Checked-----	80

DIVISION OF TRAFFIC ENGINEERING

1. PARKING METERS

New Installations-----	65
New Installations in Public Parking Lots-----	0
Removals-----	181
Installations-----	248

Relocations -----	39
Temporary Removals -----	135
Total Number in Place June 30, 1976 -----	15,652

2. MISCELLANEOUS INVESTIGATIONS

Written Reports to San Francisco Parking Authority-----	2
Parking Checks -----	4
Advisory Appearance and Conferences with San Francisco Parking Authority -----	12
Formal STOP and YIELD Sign Investigations -----	269
Formal Parking Control Investigations -----	118
Formal Traffic Signal Investigations -----	78
Other Formal Investigations -----	479
Auto Parking Station or Garage Permits -----	65
Miscellaneous Parking Checks -----	65

3. PAVEMENT PAINTING

Standard Striping, Miles -----	360
12-inch Stripes, Feet (Crosswalks) -----	503,000
12-inch Yellow Stripes, Feet (School Crosswalks)-----	150,000
Bus Zones, Feet -----	106,000
Parking Stalls (All Types) -----	7,000
New School Intersections -----	0
Total School Intersections in Place June 30, 1976 -----	960
Pounds of Reflective Beads Used -----	49,000
8-inch Stripes, Feet -----	95,000
Spotting and Removing, Miles -----	60

4. TRAFFIC AND STREET NAME SIGNS

a. Traffic Signs	Completed 1975-76
Parking Signs Installed -----	582
Parking Signs Repaired or Changed -----	1,628
Parking Signs Removed -----	750
Other Signs Installed -----	784
Other Signs Repaired or Changed -----	2,048
Other Signs Removed -----	383
STOP Signs Installed -----	398
STOP Signs Repaired or Changed -----	873
STOP Signs Removed -----	112
	TOTAL 7,558
Special Signs Made by City Forces -----	3,821
Estimated Approximate Cost 1975-76 -----	\$75,875
Estimated Total Number in Place June 30, 1976 -----	45,553
b. Street Name Signs	
Street Signs Repaired or Changed -----	787
Street Signs Installed -----	25
Street Signs Removed -----	9
	TOTAL 821
Estimated Approximate Cost 1975-76 -----	\$37,300
Estimated Total Number in Place June 30, 1976 -----	5,858

5. TRAFFIC LEGISLATION

	Completed 1975-76	Deleted 1975-76	Number In Place 6-30-76
STOP Intersections	86	0	2,833
Through Streets, Miles	0	0	114
One-Way Streets, Miles	1.54	0.23	96.6
Speed Zones (Other than 25)	0	0	69.7
Turn Restrictions (24 hrs.)	5	1	
Turn Restrictions (Peak hrs.)	1	1	
Tow Away, Block Faces	27	3	

Time Limit Block Faces	47	16
Angle Parking, Block Faces	12	0
Other Turn Controls	9	0
No Parking Any Time, Block Faces	55	6
Items Discussed at ISCOPT	726	
Items Having Department Public Hearing	94	
Items to Board of Supervisors for Action	165	
Items Amending Traffic Code	7	

6. TRAFFIC SIGNALS AND CHANNELIZATION

	Completed <u>1975-76</u>	Number In Place <u>6-30-76</u>
1. Channelized Intersections:		
Concrete Islands	8	302
Raised Pavement Bars	-1	88
TOTAL	7	390
2. Signalized Intersections:		
3-Light Installations	28	891
Equipped with Pedestrian Signals	18	342
Actuated Signals	-9	192
School Flashing Signals	0	11
3. Pedestrian Overpasses (over City Streets)	0	23

DIVISION OF STREETS AND HIGHWAYS ENGINEERING

1. CLAIMS ACTIVITY

The Department of Public Works, through legal representation by the City Attorney, disposed of 205 claim actions filed against the City for personal injury or property damage resulting from street or sidewalk use.

Of the 205 claim actions completed, the City won or dismissed 140 cases; and in 65 cases, the City paid \$186,621.37 out of \$9,343,924.78 through judgements or settlements sought by the claimants.

The 205 cases above represent a small portion of those requiring investigation by the street inspection forces during the fiscal period. The total number of registered claims investigated was 447.

In addition to claims investigation, the Department assists the City Attorney's office in preparation of defense actions through consultation, giving depositions, preparing answers to interrogatories, and making court appearances as City witnesses.

SUMMARY

	<u>1975-76</u>	<u>1974-75</u>
Number of Cases Disposed of	205	113
Judgments Paid	1	1
Litigated Settlements	54	47
Settlements at Claim Stage	11	40
Won or Dismissed	140	25
Amount of Claims in Cases Disposed	\$9,343,924.78	\$5,360,835
Amount Paid in Settlements and Judgments	\$ 186,621.37	\$1,051,720.09
Registered Claims Investigated	447	463

PERSONNEL AT BEGINNING AND END OF FISCAL YEAR

<u>BUREAU OF ENGINEERING</u>	<u>July 1, 1975</u>	<u>June 30, 1976</u>	<u>Change</u>
Administration	4	3	-1
General Engineering	104	103	-1
Recreation & Park Engineering	16	16	0
Streets and Highways	39	21	-18
Surveys and Mapping	32	31	-1
Construction	42	41	-1
Traffic Engineering	35	46	+ 11
Transit Task Force	3	2	-1
<u>BUREAU OF SANITARY ENGINEERING</u>	<u>110</u>	<u>119</u>	<u>+ 9</u>
	<u>385</u>	<u>382</u>	<u>-3</u>

Employees in Professional Classification..... 195
 Employees in Technical Classification..... 136
 Employees in Clerical..... 51

PAYROLL

The following tabulation shows the number of employees and total payroll charged to General, Project, and Road Funds:

<u>SOURCE OF PAYROLL FUNDS</u>	<u>EMPLOYEES 1975-76</u>	<u>PAYROLL 1975-76</u>
General Fund (Budget Payroll)	78	\$1,468,812.41
Project Funds (Gas Tax, Bond, General, etc.)	263	5,089,910.79
Road Fund-Traffic Engineering	<u>41</u>	<u>477,502.48</u>
	<u>382</u>	<u>\$7,036,225.</u>

RETIREMENTS

During the past year, the following employees were retired and recognition is given for their faithful service to the Bureau:

FONG, Harry	08-22-75	5264 Civil Engineer	16	Yrs.
WATHNEY, Harry	11-01-75	6318 Construction Insp.	7 $\frac{3}{4}$	Yrs.
TOURUBAROFF, Michael	01-01-76	5344 Mech.Eng. Asst. II	26 $\frac{3}{4}$	Yrs.
CARROLL, John R.	01-01-76	5314 Survey Party Chief	25 $\frac{3}{4}$	Yrs.
FUTATSUKI, Yoneo T.	04-01-76	5362 Civil Eng. Asst. II	26 $\frac{3}{4}$	Yrs.
ALLEN, Grace	04-01-76	1446 Senior Clerk-Steno	12 $\frac{1}{2}$	Yrs.
HALPERIN, Morris	04-22-76	6231 Senior St. Insp.	10 $\frac{1}{4}$	Yrs.
WING, Luther O.	04-28-76	5364 Civil Eng. Assoc.	26	Yrs.
ADE, Emilia M.	06-01-76	B-412 Gen. Clerk-Typist	16 $\frac{1}{2}$	Yrs.

BUREAU OF ENGINEERING

SUPERVISORY PERSONNEL

As of June 30, 1976

Jeffrey Lee, City Engineer
Richard J. Evans, Assistant to City Engineer

DIVISION & SECTION

PERSON IN CHARGE

STREETS & HIGHWAYS

Permits & Encroachments
Highways
St. Improvement & Reconstr.

L. T. Tom, Engineer
G. M. Wong, Engineer
D. Doon, Assoc. Engineer
C. G. Jarrard, Assoc. Engineer

RECREATION & PARK ENGINEERING

Engineering
Landscaping

D. Martin, Sr. Engineer
W. H. Person, Engineer
H. C. Schmidt, Sr. Landscape Arch.

GENERAL ENGINEERING SERVICES

Administration
Office Management
Steno Pool
Utilities & Special Services
Contract Preparation
Structural
Mechanical
Electrical

W. J. Scruggs, Sr. Engineer
H. G. Louie, Admin. Engineer
J. A. Jelincich, Engineering Asst.
E. M. Kesler, Sr. Clerk Typist
H. H. Beneke, Engineer
C. T. Jensen, Engineer
G. T. Jeong, Sr. Engineer
C. J. Brady, Sr. Engineer
A. E. Tanner, Sr. Engineer

SURVEYS & MAPPING

Administration, Records & Office
Field Surveys

G. Q. Woo, Sr. Engineer
R. Wong, Assoc. Engineer
W. T. Gee, Chief Surveyor

CONSTRUCTION MANAGEMENT

Contract Management
Testing

T. J. Ford, Jr., Sr. Engineer
P. T. Meagher, Engineer
E. W. Pearson, Engineer

CONTRACT ADMINISTRATION

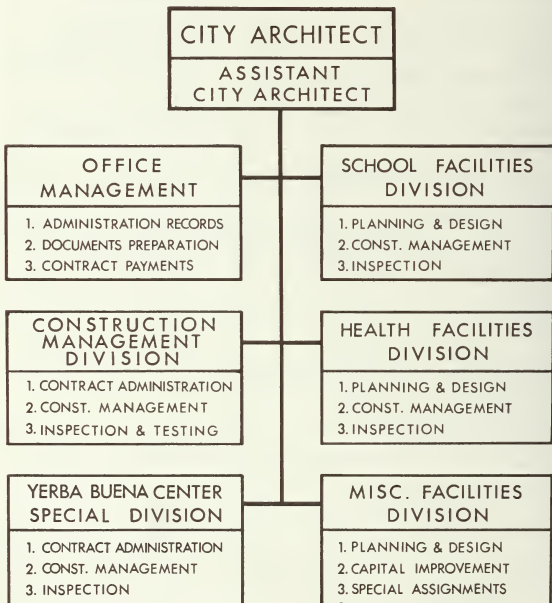
J. S. Barrett, Engineer

TRAFFIC ENGINEERING

Design
Planning
Operations
Street Inspection

W. Marconi, Sr. Traffic Engineer
G. R. Hansen, Traffic Engineer
S. A. Shoaf, Assoc. Traffic Engr.
N. E. Bray, Traffic Engineer
T. A. Pedersen, Street Supt.

BUREAU OF ARCHITECTURE
DEPARTMENT OF PUBLIC WORKS
ORGANIZATION CHART
JUNE 30, 1976



BUREAU OF ARCHITECTURE
Hugh W. Hiatt, City Architect
July 1, 1974 - December 31, 1975
Norman M. Karasick, Acting City Architect
January 1, 1976 - June 30, 1976

The Bureau of Architecture supervises the design and construction of new public buildings, and the modernization and alteration of existing public buildings, under plans duly approved by the various City, State and Federal departments which are involved.

Once the need for a building project is established, the Bureau assists the requesting City Department in the preparation of a basic program and the acquisition of a building site. The program consists of general information relative to the activities and services to be performed in the building, the number and type of employees who will be housed in the building, the number of public to be served, and related data. The Bureau then prepares sketches, specifications, and estimates of cost, and when funds are available, prepares or supervises the preparation of the schematic, preliminary and final drawings, specifications, and estimates. Upon approval of the final documents, bids are requested by advertisement in the official newspaper, opened in public, reviewed and analyzed, and recommendations are prepared for award of construction contract. After award and certification of the contract, Bureau personnel inspect the construction as it develops, certify monthly progress payments, verify that it has been properly constructed in conformance with the plans and specifications, and initiate the final payment to the contractor.

ORGANIZATION

The organization of the Bureau is broken down into five separate divisions. Office Management, School Facilities Division, Health Facilities Division, Miscellaneous Facilities Division, and Construction Management Division.

OFFICE MANAGEMENT

1. ADMINISTRATION RECORDS

This section is responsible for personnel matters, all incoming and outgoing correspondence, dispensing information to contractors and architects, the operation of the Bureau's main counter, requisitioning supplies, equipment and related work.

II. DOCUMENTS PREPARATION

This section is responsible for the assembly and issuance of the contract documents to contractors, the filing of tracings, blueprints, and specifications and related work.

III. CONTRACT PAYMENTS

This section is responsible for the preparation of documents authorizing payments for work performed by contractors and consultants.

SCHOOL FACILITIES DIVISION

This Division was responsible for the design and construction work of the San Francisco Unified School District for a major portion of the year. This work is divided into two major categories.

1. District Funds
2. Field Act Earthquake Resistant Construction

I. DISTRICT FUNDS \$60,000.00

Plans and Specifications were prepared for an elevator for use by handicapped persons at George Washington Carver School.

II. FIELD ACT FUNDS

Field Act Funds were obtained by the District from several sources as follows:

1973 Bond Issue	\$37,826,000.00
Tax Override	23,933,000.00
State Matching Loans	
and Others	<u>23,751,000.00</u>

Total.....\$85,510,000.00

A structural survey was made in 1970 of existing school buildings which were constructed prior to 1934. As a result of this survey, 62 schools were determined to be unsafe and therefore not usable for school purposes after June 30, 1975. A program was subsequently started to design and reconstruct these 62 schools. The Board of Education approved a tax override which provided approximately \$4,000,000 a year to start the preparation of plans and to reconstruct several small schools and to eliminate the most obvious falling hazards; and also to construct new portables where existing schools were demolished.

The "unsafe" schools which comprise this program and their status as of June 30, 1976, are as follows:

Construction Completed

- | | |
|-----------------------------|---|
| 1. Alamo | 17. Galileo-West Wing & Gym |
| 2. Alvarado | 18. Mission High-West Wing |
| 3. Lafayette | 19. Daniel Webster |
| 4. Sanchez | 20. E. R. Taylor |
| 5. Sheridan | 21. Edison |
| 6. Commodore Stockton Annex | 22. Hawthorne |
| 7. Treasure Island | 23. John Muir |
| 8. Francisco Academic | 24. Mission Staging |
| 9. Aptos Academic | 25. Raphael Weill |
| 10. Horace Mann Academic | 26. West Portal |
| 11. LeConte | 27. Presidio Jr. High School |
| 12. Marshall Annex | 28. Balboa Academic I & Gym |
| 13. Paul Revere Annex | 29. Galileo-East Wing |
| 14. Winfield Scott | 30. Dudley Stone |
| 15. James Lick Jr. High | 31. Horace Mann Auditorium-
Phase II |
| 16. Aptos Gym & Shops | 32. Horace Mann Gym - Phase III |

Under Construction

Mission High School East Wing
Everett Jr. High
Sherman School
Chinese Education Center

Designed

- | | |
|--------------------|---------------------------------|
| 1. Andrew Jackson | 13. Sutro |
| 2. Commodore Sloat | 14. Yerba Buena |
| 3. Emerson | 15. Francisco Jr. High-Gym |
| 4. Frank McCoppin | 16. Roosevelt Jr. High |
| 5. Geary | 17. Balboa Academic -II & III |
| 6. George Peabody | 18. Pre-1933 Portable Bungalows |
| 7. Guadalupe | 19. Mission Education Center |
| 8. Junipero Serra | 20. Filipino Bilingual Center |
| 9. Marshall | |
| 10. McKinley | |
| 11. Monroe | |
| 12. Sunnyside | |

Child Care Centers

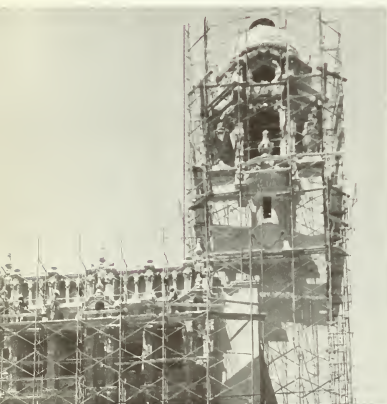
Plans and specifications were prepared for considerable maintenance work on the Child Care Centers. This included yard paving, interior and exterior painting, the remodeling of two bungalows at the E. R. Taylor School, a new kitchen at the Farragut School. Play equipment storage sheds were constructed at various sites.

SAN FRANCISCO COMMUNITY COLLEGE DISTRICT

This section under the direction of a Senior Architect, is responsible for all Planning, Design and Construction for the San Francisco College District which includes all new construction, additions, alterations and maintenance and repair projects.

1. Projects Completed

1. Radiologic Technology Laboratory Relocation and Alteration Project was completed and accepted July 1975.
2. Nursing/Allied Health Learning Center was completed and accepted December 1975.
3. International Airport School Facility, Constructed by the Flying Tiger Airlines, Inc., for use by the Community College District was completed and accepted February 1976.
4. Science Building Alteration and Remodeling Project was completed and accepted June 1976.



Above: Phase Two of Mission High School Reconstruction is scheduled for completion during July 1977. Right: Downtown Community College at 4th and Mission Streets is scheduled for completion during April 1977.



II, Projects Under Construction

1. The Social Science Classroom and Laboratory Building (Cloud Hall East), a six and three quarter million dollar project commenced in October of 1974 is estimated to be completed in January 1977.
2. The Downtown Community College Education Center a seven million dollar project commenced in August 1975 is estimated to be completed in April 1977.

III. Projects in Design Stage

An Electro-Mechanical Laboratory for the Science Building is presently in the contract documents preparation stage, it is anticipated construction contract will be awarded in January 1977 with completion scheduled for early summer 1977.

HEALTH FACILITIES DIVISION

Within the fiscal period 1975-1976 the Health Facilities Division was primarily engaged in providing the contract administration and inspection services for the construction of the New Hospital Building of the San Francisco Medical Center Project. In addition, this Division was engaged in the preparation of plans, specifications, estimates and contract administration and construction inspection relative to the alteration and modernization of Department of Public Health Buildings.

I. PROJECTS UNDER CONSTRUCTION OR COMPLETED.

A. SAN FRANCISCO MEDICAL CENTER PROJECT

San Francisco Medical Center Bond Issue	\$33,670,000
State and Federal Subventions	<u>5,865,697</u>

Total Project Funds	\$39,535,697
---------------------	--------------

1. <u>New Hospital Building</u>	\$30,336,763
---------------------------------	--------------

Contract was awarded June 9, 1971.
Phase I construction started July 26, 1971 and is approximately 99.5% complete.

The Hospital Building is a seven-story reinforced concrete structure with a gross finished floor area of 635,000 square feet and will provide 653 beds for general medical and surgical care and including psychiatric and prisoner patients, all with comprehensive ancillary facilities and services.

Phase II work which includes demolition, landscaping and paving is contemplated to begin in July 1976 and



is to be completed in April 1977.

2. Dishwasher Scrapping Table & Conveyor \$52,392.00

This installation will provide an efficient dishwashing operation in the new hospital that requires less personnel for dishwashing services. Construction to be completed by August 1976.

B. LAGUNA HONDA HOSPITAL

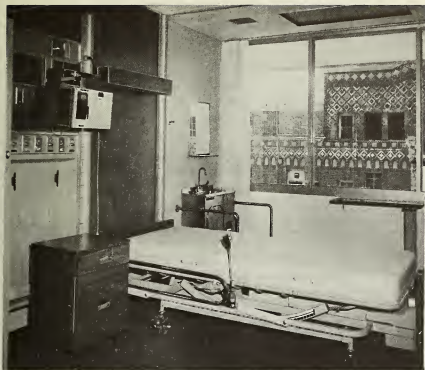
1. Hot Water Controls \$25,665.00

This work provided for the installation of thermostatic controls for reducing the tempered water from the present 140° to 120° for patient use in ward lavatories. The work was required by the State Department of Public Health. Work completed in February 1976.

C. CENTRAL EMERGENCY HOSPITAL

1. Communication Center \$34,096.00

The communication center monitors and dispatches ambulances in response to emergency service calls. The center also serves as a poison information center. This work included the installation of raised flooring, furred ceiling, painting, electrical and mechanical work. Project completed in June 1976.



Three views of the new San Francisco Medical Center.
 Far Left: The landscaped courtyard.
 Middle Left: An exterior view of the new facility. Near Left: A station in the intensive care unit.

2. Sexual Assault Treatment Center \$6,130.00

This project located on the first floor, provides a confidential space for the interview of sexual assault victims. The work includes new ceiling, partitioning, shelving, painting, shower, electric and mechanical work. Project was completed in April 1976.

D. BAYVIEW MENTAL HEALTH CENTER \$72,300.00
 4190 Mission Street

1. This project provides a treatment center for neighborhood patients in need of medical care. The work included partition, doors, casework, painting, mechanical, electrical and plumbing work. Project completed in April 1976.

II. PROJECTS SCHEDULED FOR CONSTRUCTION

A. NEW HOSPITAL BUILDING

1. Anesthesia Department - Additions \$25,000.00

This project is in the working drawing phase and will provide additional office space in two shelled areas on the third floor adjacent to the surgical suite, of the new hospital building. Work will include partitioning, furred ceilings, electrical and mechanical modifications. Construction is scheduled for completion in September 1976.

2. Interim Prisoner Patient Care Ward Unit- \$19,000.00

This interim location at sixth floor north east wing of the new hospital building is a temporary relocation from the present quarters in a building scheduled for demolition. The project will provide a temporary security unit for prisoner patients until a permanent location is completed on the seventh floor. Construction is scheduled for completion in November 1976.

3. Prisoner Patient Care and Security Ward Unit-\$650,000

This project will be a permanent facility at seventh floor southeast wing of new hospital building that is to provide in-patient nursing care for prisoners of the City and County jails. The new ward unit also includes holding facilities for the prisoners brought to the San Francisco Medical Center for treatment. Working drawings and specifications are completed and construction is projected to be completed by March 1977.

4. Psychiatric Patient Care Changes

Following a California State Government policy of phasing out certain mental health facilities it became necessary for the Department of Public Health to provide the required mental care for San Francisco citizens.

a. Revisions to Ward Units \$16,611.00

This project includes, revisions to finished areas at seventh floor, northwest and southwest wings of the new hospital building that will provide wards for the treatment of patients with mental illness. The work consists of modifications to door and hardware and installation of plastic barriers all which provide more protection for the patients. Construction is scheduled for completion by July 1976.

b. Modification of Psychiatric Patient Care Unit \$49,000.00

This project is presently in the working drawing phase and includes modifications to a finished area at seventh floor, northeast wing of the hospital building that is to provide a protective environment, free of hazards, for the

patients. The work will include modifying doors, locks, sprinkler heads, shower fixtures, and other required items; installing detention screens and providing lighting fixtures with heavy plastic lenses, etc. Construction is scheduled for completion in November 1976.

B. SAN FRANCISCO GENERAL HOSPITAL

1. Chemistry - Toxicology Laboratory \$540,000.00

This project is presently in the working drawing stage and will provide a permanent Chemistry-Toxicology Laboratory on the fifth floor of existing Building No. 30, enabling the Department of Public Health to perform general chemical and toxicological analyses in connection with public health problems. Present quarters for this laboratory is scheduled for demolition. Construction is scheduled for completion in July 1977.

C. LAGUNA HONDA HOSPITAL \$3,200,000.00

1. Life Safety Code Requirements

The State Fire Marshal's Office has stipulated numerous deficiencies in need of correction that are mandatory to comply with life safety code requirements. This work includes smoke barriers, fire doors, glass replacement, enclosures, sealing corridor transom windows, etc. Preliminary planning and design is presently underway, and construction is contemplated to begin October 1976 and be completed March 1979.

2. Modernization of Laundry Facilities \$114,000.00

This work of this project is scheduled to start in July 1976, and will include the installation of a new tumbler and lint filter, a new extractor and relocation of an existing tumbler complete with mechanical and electrical connections. Construction is scheduled for completion in November 1976.

D. HUNTER'S POINT - BAYVIEW MODEL CITIES HEALTH CARE CENTER \$1,523,000.

1. This project will provide health care services for the Hunter's Point-Bayview District. The building will be one-story concrete block and wood frame structure approximately 10,000 square feet. Construction is scheduled for completion in July 1977.

MISCELLANEOUS FACILITIES DIVISION

This division is responsible for preparation of the Bureau's Annual Capital Improvement Budget data sheets and provides most of the architectural services for Public Works projects other than those for Public Health and School Departments. Work for various City Departments was performed as follows:

I. FIRE DEPARTMENT

A. Fire Department Bond Issues \$4,953,450.

1964 Bond Issue
1952 Bond Issue

B. Present status of Bond Programs is as follows:

1. Completed 100% \$3,881,168.

Headquarters Building:	\$1,153,117.00
Engine Company No. 28:	246,796.00
Engine Company No. 26:	300,607.00
(Old No. 7)	
Engine Company No. 1	477,512.00
(Old No. 17)	
Engine Company No. 43:	396,426.00
Engine Company No. 14:	344,573.00
(Old No. 36)	
Engine Company No. 9:	559,298.00
(Old No. 37)	
Engine Company No. 33:	303,261.00
Memorial Plaque:	10,871.00
(Headquarters Bldg.)	
Engine Company No. 2 :	3,664.00
Engine Company No. 16:	10,904.00
Engine Company No. 31:	74,139.00
(Old No. 46)	

2. Under Construction

Engine Company No. 3 - 99% complete	\$566,350.00
-------------------------------------	--------------

3. Working drawing phase.

Engine 4 (Old No. 8): Discontinued work at approximately 30% of the drawing stage, due to the reshifting of personnel to other companies and the possible abandonment of this house.

4. Funds unencumbered from completed projects \$44,034.00

5. Funds unencumbered from projects not completed \$43,478.00

6. Office Management and Miscellaneous Fees	\$100,000.00
7. Contingencies	\$43,420.00
8. Balance of 1964 Bond	± \$248,900.00
C. Fire Department - General	
1. Fire house for Engine Company No. 13 (Old No. 1) Funds provided through a transaction whereby the builders of Embarcadero Center obtained the Engine No. 1 property for expansion and the City obtained this new station house.	
Complete construction cost.	\$1,086,000.00
2. Central Fire Alarm Building	
The whole interior of this building was remodeled to accommodate the new command and control system. Project will be accepted in July 1976.	
	\$327,178.00
D. 1974 Fire House Bond Fund	\$2,200,000.00
<u>Plans Underway</u>	
a. Headquarters Building Alterations: Project cancelled.	
b. Engine No. 42 will replace the existing building; Contract documents held by former commission because of high cost are presently being finalized and the project will be advertised for bids in October 1976.	
	\$ 500,000.00
c. Engine No. 40 alterations and repairs. Bids to be received in August 1976.	70,000.00
d. Engine No. 25 alterations and repairs. Bids received in July 1976.	75,000.00

II. SHERIFF

Proceeding with program of bringing the jail facilities into State required standards, the following projects were completed during the year.

A. Kitchen Renovations Phase I. San Francisco County Jail No. 2	\$180,000.00
B. Educational Facilities. San Francisco County Jail No. 2	\$134,000.00

- C. Laundry Renewal.
San Francisco County Jail No. 2 and No. 4 \$ 11,000.00
- D. Fire Marshal's Requirements Phase I \$ 60,000.00
Provides egress from infirmary second floor
of San Francisco County Jail No. 2 with
chain link enclosures to prevent escapes.
- E. Plans and Specifications for Fire Marshal's
requirements, Jails No. 2 and No. 4.
Include smoke free stairs for egress with
chain link enclosures to prevent escapes.
Documents are 95% complete.

III. POLICE DEPARTMENT

- A. Alterations to Room 459, Hall of Justice for
the future emergency "911" telephone system.
Phase I, contract awarded July 1976. \$ 30,000.00
- B. Alterations to Room 565, Hall of Justice for
Internal Affairs, Phase I and II. Work completed. \$ 44,000.00



Above: Work on Old South San Francisco Opera House nears completion.

IV. RECREATION - PARK DEPARTMENT

- A. Chinese Playground Recreation Building. This project has been ready for over a year but has not been advertised for bid due to insufficient and withheld funds. \$300,000.00
- B. Martin Luther King Pool Enclosure. Bids were received in February 1976. Project 20% complete by June 30, 1976. Total cost including all alternates. \$600,000.00
- C. Sharon Building. This building suffered a severe fire in 1974 and has been boarded up because of inadequate budget for rehabilitation. Architects are well along on the plans but funding problems continue to delay request for bids. Funds for phase one, covering the roof and strengthening shear walls, in the amount of \$115,000.00 are forthcoming from Community Development Agency. \$115,000.00
- D. Marina Small Craft Harbor Toilet. This project has been redesigned and approved by the Art Commission. Funds will be available in July 1976 \$70,000.00
- E. Mission Pool. This project suffered many setbacks



Above: Hunters Point Community Youth Park at construction midpoint.

due to vandalism and severe illness of the contractor who eventually had to be replaced. The facility was finally opened this summer. Final cost approximately -

\$140,000.00

- F. Jackson Playground - New Field House. Architect appointed. Preliminary Plans are underway.

\$150,000.00

- G. Francis Scott Key Monument. This consists of providing a proper foundation and the reassembly of the monument of stone marble and bronze. The site, at the easterly end of the Band Concourse, Golden Gate Park, is appropriate. The contract has been let and completion is anticipated by October 1976.

\$135,000.00

- H. Miscellaneous Field House Alterations.

1. Garfield Square Natatorium, project is 80% complete.

\$ 30,000.00

2. Portola Playground, contract awarded.

\$ 62,000.00

3. Excelsior Playground, contract awarded.

\$ 25,000.00

4. Milton Meyer, plans 85% complete.

\$190,000.00

Project will be advertised in August 1976.

V. DEPARTMENT OF SOCIAL SERVICES

Administration Building.

\$7,000,000.00

Bids were received in November 1975. The low bidder and contractor is the William Simpson Construction Company. Project is 4% complete.

VI. HUNTER'S POINT YOUTH PARK

This playground-recreation area will be managed by the Hunter's Point Youth Park Foundation.

The project is approximately 53% complete.

Estimated Total Cost

\$450,000.00

VII. CONTROLLER

EDP Area, Basement, City Hall:

Security measures for the Electronic Data Processing Department.

Approximately 95% complete. Total Cost

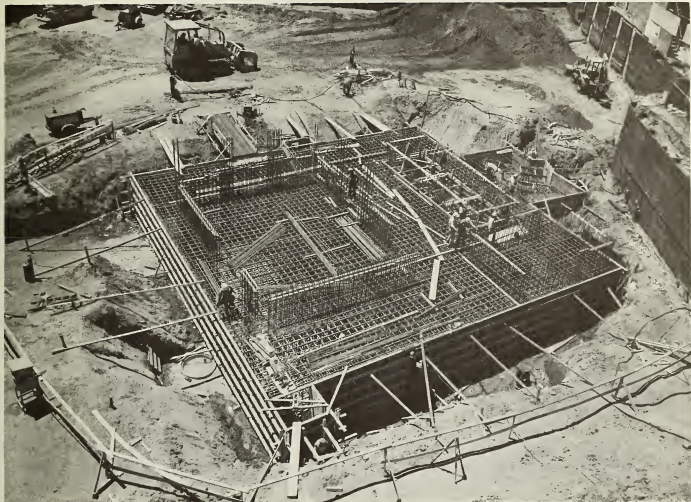
\$75,000.00

VIII. ART COMMISSION

Renovation of old South San Francisco Opera House:

This community center for the Hunter's Point-Bayview district is 95% complete. It will provide a place for music recitals and plays as programmed by the community and managed by the Art Commission Community Art Committee.

Below: Social Services Administration Building under construction.



IX. WAR MEMORIAL VETERANS BUILDING

A. Opera House: Work in this building requires careful scheduling due to the many activities booked throughout the year. Most of the work had to be done in the month of June when the house was "dark".

1. Stage flooring renewal (completed). \$70,000.00
2. Reupholstery of 1300 orchestra seats (60% complete) \$155,000.00
3. New carpeting orchestra floor (completed) \$ 12,000.00
4. New ornamental iron gates, south promenade mezzanine level: This project encloses the promenade area that is used for display of historical and memorabilia of opera, ballet or other users of the house during the period of performance. The material displayed is often priceless and irreplaceable if lost. The gates, designed to harmonize with the surrounding architecture will be locked when a display has been installed and the house is "dark".

B. Veterans Building: Freight Elevators remodeling for the San Francisco Museum of Art. Bids have been received and construction will start in August. Cost - \$50,000.00

X. CITY HALL

Phase I of the restoration of exterior stonework around dome and repairs to brick and terra cotta in light walls. Work is about 95% complete. \$190,000.00

Phase II was held up due to funds being withheld by Board of Supervisors. Funds have been released and bids will be requested in August. Estimated cost - \$200,000.00

CONSTRUCTION MANAGEMENT DIVISION

The Construction Management Division has prime responsibility for Contract Administration for all projects in and during Construction Phase. The responsibility of this Division includes direction of construction inspection to assure conformance with contract documents, progress verification of contract work, approval of contract payment requests and certification of completion. The Construction Management Division is also responsible for investigating contract claims and recommending their disposition.

The Construction Management Division is directed by a Senior Architect and is assisted by Architectural Administrators who are responsible for Construction Administration, and Chief Building Inspectors who supervise the activities of the Project Building Inspectors.

YERBA BUENA CENTER-SPECIAL DIVISION

The contract for construction bids received in February 1975 has not been awarded. The low bidding general contractor received a conditional award based on the sale of construction bonds for \$162,887,000.00 which expired in June 1975. A waiver extending the bid award period was granted through Oct. 1975, which also expired. At present the Yerba Buena Special Division continues under the direction of the Senior Architect, Construction Management Division. This special division is responsible for providing resource material to the Mayors Economic Analysis Unit in conjunction with the Mayors Select Committee on the Yerba Buena Center regarding the Sports Arena, Convention Center and the Parking Facility including alternate designs and joint usage studies.

BUREAU OF ARCHITECTURE

Supervisory Personnel
as of June 30, 1976

City Architect Hugh W. Hiatt
(Retired 12/31/75)

Acting City Architect. Norman M. Karasick
(Effective 1/1/76)

Assistant City Architect Norman M. Karasick

ADMINISTRATION

Management Assistant Richard A. DeMartini

SCHOOL FACILITIES DIVISION

Principal Architect and Division Head. . . John R. Wilkinson

Architect. Orlando Orlandi

Architect. Gene Gee

Architect. Robert Appleton

Architectural Associate II Richard Leong

Architectural Administrator. Robert Jung

HEALTH FACILITIES DIVISION

Senior Architect and Division Head Robert J. Malerbi

Architect. Harry J. Squeri

Architect. Peter I. Pira

Architectural Associate II Gene K. Wong

Chief Building Inspector Stanley Spears

MISCELLANEOUS FACILITIES DIVISION

Senior Architect and Division Head Clement A. Mullins

Architect. Arthur Lee

Architect. Albino D. Giusto

Architect. Kenneth A. Housholder

Architectural Associate II Jane Gee

Architectural Administrator. Irving Jarkovsky

CONSTRUCTION DIVISION

Senior Architect and Division Head Alexander S. Fadeff

Architectural Administrator. Lawrence Young

Architectural Administrator. Malcom C. Dong

Chief Building Inspector Robert J. O'Connell

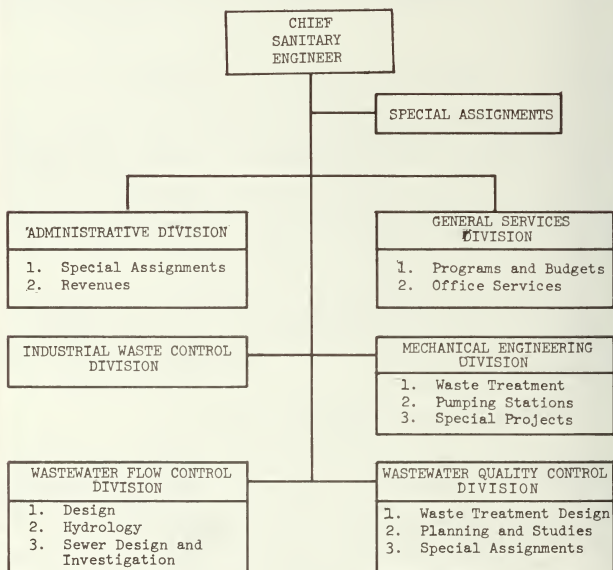
Chief Building Inspector Robert F. Dunne

ORGANIZATION CHART

BUREAU OF SANITARY ENGINEERING

DEPARTMENT OF PUBLIC WORKS

JUNE 30, 1976



BUREAU OF SANITARY ENGINEERING

ALAN O. FRIEDLAND
CHIEF SANITARY ENGINEER
INTRODUCTION

The Bureau of Sanitary Engineering was created on May 10, 1976 to elevate the City's water pollution control program to Bureau status. Formerly, Sanitary Engineering had been one of the many functions of the Bureau of Engineering.

On July 31, 1975, the California Regional Water Quality Control Board, San Francisco Bay Region undertook a detailed review of San Francisco's water pollution control program to determine if it complied with State and Federal regulations. The result was a series of recommendations for changes and additions to the program. A ban on new connections to the sewer system was threatened. Newly-elected Mayor George Moscone created his own three member assessment team to evaluate the program. To implement this team's recommendations and those of the State, Mayor Moscone appointed Mr. Richard Sklar to be Project Coordinator for the Wastewater Management Program. The Division of Sanitary Engineering was upgraded to a full Bureau in the Department of Public Works. Mr. Alan Friedland was appointed Chief Sanitary Engineer.

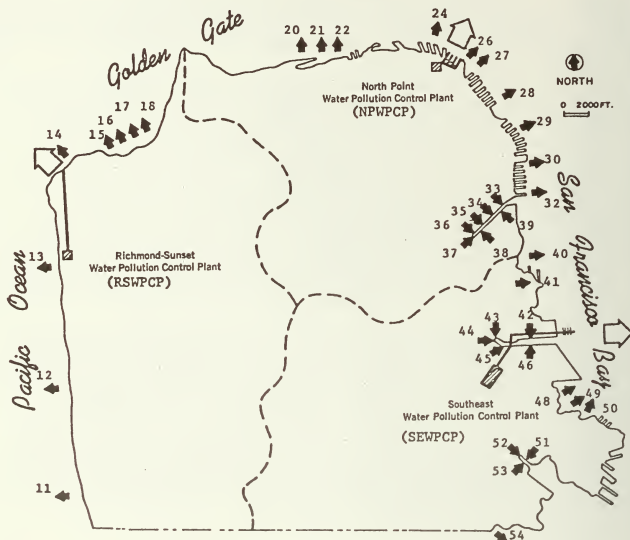
Work on the Master Plan continued at an accelerated pace. At its May, 1976 hearing, the Regional Water Quality Control Board commended San Francisco for the progress it had made in implementing the Master Plan. Then, unexpectedly, the Regional Board imposed a ban on new sewer connections in the northern and eastern parts of the City. Since then, the Regional Board has recognized the work done by San Francisco, including design of \$180 million of construction projects during the last year, and has allowed building permits to be issued subject to monthly review of the City's continued progress.

WASTEWATER MANAGEMENT MASTER PLAN

San Francisco's water pollution control problems consist of two parts. First, San Francisco has a combined sewage system which carries both sewage and rain water runoff in the same conduits. During periods of rainfall, the capacity of the system is exceeded and a combination of rain water and raw sewage overflows into the Bay and Ocean. These raw sewage discharges violate State and Federal regulations.

The second problem is one of treatment. San Francisco's three treatment plants provide advanced primary treatment for sewage (removal of about 50% of pollutants). Current regulations require secondary treatment (removal of about 90% of pollutants).

FIGURE 1
Treatment Plants and Outfall Locations



Presently the City is divided into three drainage districts (indicated by the broken line) which follow the topographical features of the City. Each of the districts is served by a Water Pollution Control Plant which provides primary treatment with chemical addition before discharge of the effluent through an outfall (represented by the large arrows). Located around the perimeter of the City are 39 bypass locations (represented by the solid arrows) where a combination of untreated domestic wastewater and stormwater overflow into the Bay and Ocean when rainfall exceeds 0.02 inches per hour. Overflows occur approximately 80 times per year.

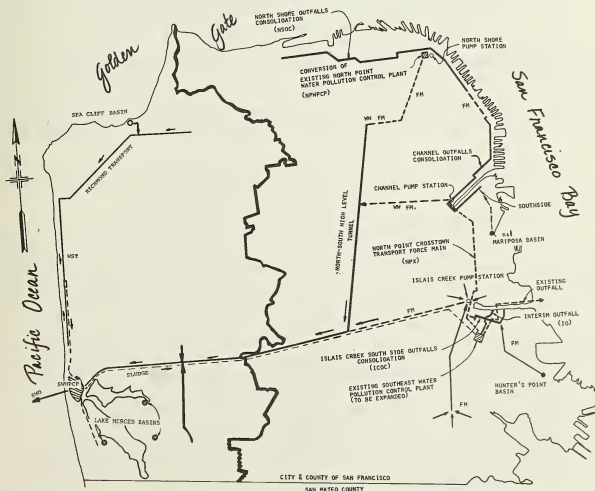
Numbers adjacent to arrows represent the outfall system reference number which is keyed to Master Plan documents.

The Master Plan is designed to solve both problems. To relieve the problem of overflows, a series of large interceptor sewers will be built around the perimeter of the City (Figure 2). These sewers are designed to retain the rain water/sewage until the storm abates and the treatment plants can once again handle the flows. To upgrade the level of treatment, the following actions will be taken:

1. Expand and upgrade the Southeast Plant.
2. Construct a new sewage treatment plant near Lake Merced (the site was approved by voters in November 1975).
3. Convert the North Point Plant to wet weather treatment only.
4. Abandon the Richmond-Sunset Plant.

Additional information on many of these projects can be found in the section on "Significant Activities" further in the text.

FIGURE 2
Master Plan



MASTER PLAN FUNDING

Under present regulations, up to 75% of the above projects may be financed by the Federal government, with the State and the City each contributing 12½%. Bond issues passed in 1970 and 1972 will provide the City's share of the collection and transport projects on the Bay side. An additional bond issue will be required in November of this year to pay for the Ocean side system and for upgrading of treatment.

During 1975-1976, the City applied for and received over \$180 million in Federal and State Grant Offers for Water Pollution Control projects. The grant funding generally fell into the following categories:

1. Increases to Existing Grants
 - a. The Areawide Facilities Planning Grant (C-06-1102) was increased by the Environmental Protection Agency and the State by \$1,693,125 to include funding for wet weather projects.
 - b. The Channel Pump Station Grant (part of the North Point Crosstown Project Grant-C-06-0740) was increased by \$10,500,000 by EPA and State.
2. New Grants Received From EPA and State (87½% of Total Project Cost)
 - a. North Shore Outfalls Consolidation - design and construction grant offer - \$86,544,000.
 - b. Channel Outfalls Consolidation - design and construction grant offer - \$72,687,000.
 - c. Islais Creek Outfalls Consolidation - design and construction grant offer - \$20,472,000.
 - d. Southwest (Ocean) Outfall - design - \$ 4,325,000.
 - e. Richmond-Sunset Improvements - design and construction - \$1,168,000.
 - f. North Shore Pump Station - design and construction - \$27,771,000.
 - g. Southeast Treatment Plant Expansion - design - \$11,637,500.
 - h. Southwest Treatment Plant - facility planning - \$567,750.

3. Anticipated Grants During 1976-1977

- a. Southeast Treatment Plant Expansion - construction - approximately \$217 million.
- b. Southwest Treatment Plant - design - approximately \$15 million.
- c. West Side Transport - design - approximately \$17.5 million.
- d. Crosstown Tunnel - facilities planning - approximately \$15 million.

Legislation has been introduced in Congress to lower the federal share of these projects from 75% to 60%. If this legislation were to pass, it would require the City or the State to increase their share to pay the extra 15%. The impact on the City would be great. Every effort is being made to set the City's matching funds and do the projects now while grant funding is available.

SIGNIFICANT ACTIVITIES

Listed below are six activities which took place during the 1975-76 fiscal year. All of them are either the results or the continuation of activities described in previous annual reports. Many of them have received wide media coverage. These specific activities have been selected as being of major interest to San Franciscans.

ACCELERATED PROGRAM

As reported in the 1974-75 Annual Report, an innovative transport-storage sewage system was designed under an Accelerated Program to aid in reducing water pollution resulting from combined sewage overflowing into San Francisco Bay during storms.

The Accelerated Program includes three major projects located along the Bay Side of the City, namely, North Shore Outfalls Consolidation, Islais Creek South Side Outfalls Consolidation, and Channel Outfalls Consolidation. A large effort was made during the development of these projects to involve the community in public information meetings, in order to secure input from the people most affected by the temporary disruption during construction. In addition, the Environmental Impact Report process further involved the public and the City Planning Depart-

TABLE 1
STATUS OF ACCELERATED PROGRAM AS OF 7/31/76

Outfalls Consolidation Project	Number of Construction Contracts Prepared	Estimated Cost	Plans and Specifications Approved by State for 87½% Funding
North Shore	4*	\$91,900,000	Yes
Channel	5**	71,600,000	Yes
Islais Creek	1	16,200,000	Yes

* Including North Shore Pump Station.

** Including Channel Pumping Station for which bids were received June 30, 1976 (low bid \$13,192,992).

ment. The Board of Supervisors also heard testimony on each project EIR; as a result, the Board endorsed and appropriated funds for each project.

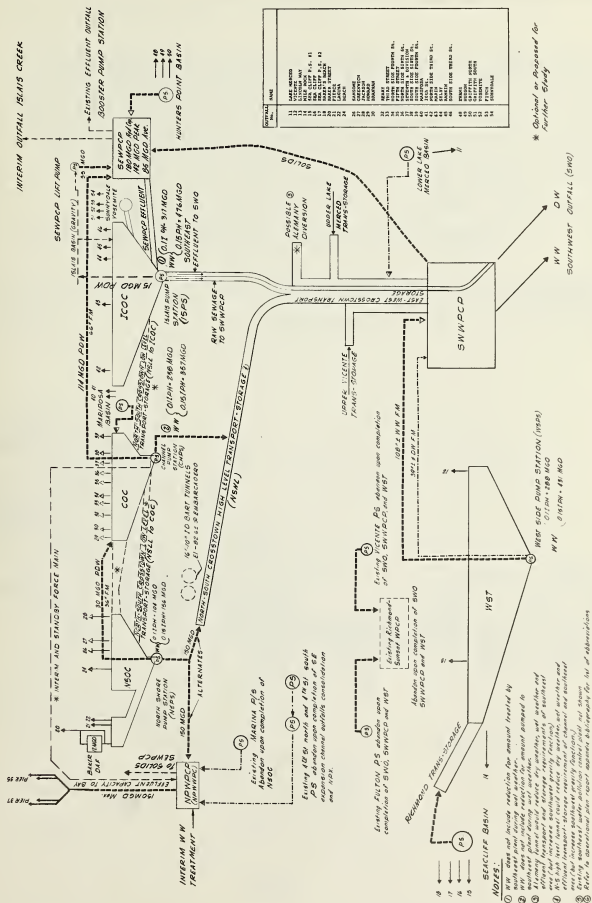
Each of the three major projects was designed during this fiscal year. Construction on all contracts is scheduled to begin in Fiscal Year 1976-77. The status of these projects is shown in Table 1.

These projects represent the results of an intense design effort, including extraordinary amounts of overtime by staff of the Bureau of Sanitary Engineering. That the effort was worthwhile is demonstrated by the fact that the design costs for these projects were on the order of approximately 2% of the estimated contract costs and that Federal and State grant funds totaling approximately \$180 million (representing 87½% of the total project costs) were secured for these projects.

A substantial effort was also required in the preparation of the Transport-Storage Operational Plan Report which describes the operation of the system as presently conceived.

Figure 3, taken from the above report, shows the relationship of the various elements of the plan, based on treatment of the wet weather flows at a treatment plant to be constructed near Lake Merced; however, the elements designed thus far are somewhat flexible for adaptation to other alternatives. The North Shore Outfalls Consolidation Project was described schematically in last year's report. The following is a more detailed description of the three major consolidation projects, based on the above concept.

FIGURE 3
Schematic Operational Plan -San Francisco Wastewater Master Plan



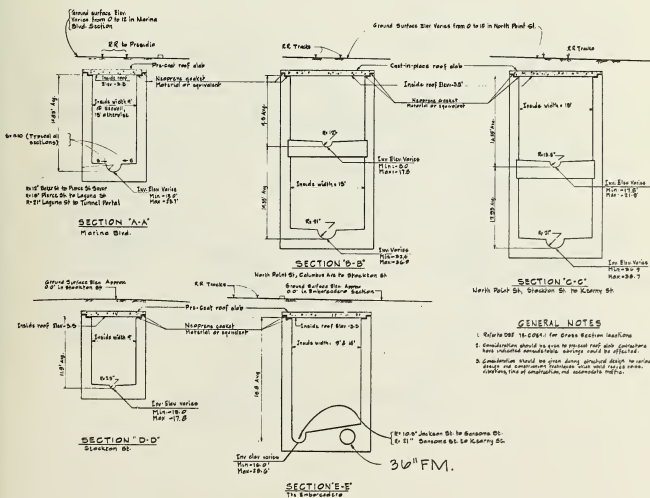
The NSOC (See Figures 4 and 5) will transport dry and wet weather flow and store excess wet weather flow for later treatment. Upon completion, this project will reduce the number of untreated combined sewage overflows into the Bay to an average of one event per year. This project will be totally operational in 1981 following completion of the Southeast Plant expansion and the North Point Crosstown Transport project.

1. Reduces overflows of the northern waterfront.

[illegible]

2. Dewaterers Baker DAF influent and reduces odor potential.
3. Abandons Marina Pump Station and Force Main (thereby allowing gravity section of existing force main through the Fisherman's Wharf area to be used as an auxiliary to the existing gravity sewer system in the area).
4. Relieves Beach Street sewer system. This system is the first outfall to overflow in the northern waterfront at the present time.
5. Extends operational down time for maintenance and repair flexibility.

FIGURE 5
North Shore Outfalls Consolidation



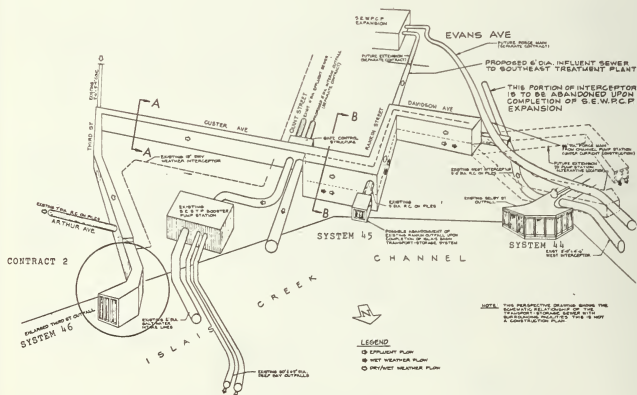
ISLAIS CREEK OUTFALLS CONSOLIDATION (ICOC)

The ICOC (See Figures 6 and 7) will provide transport-storage for Islais Creek drainage outfall systems 42-48 as shown on Figure 1, will have the capability of transporting secondary effluent from the Southeast Water Pollution Control Plant to the East-West Crosstown Tunnel, and will transport combined wet weather flow originating from a drainage area southerly of Islais Creek to the East-West Crosstown Tunnel.

ICOC will be operational in stages consisting of the following:

Stage One - Islais Creek (South Side) Outfalls Consolidation, which will be completed prior to the Southeast Plant expansion,

FIGURE 6
Islais Creek Outfalls Consolidation

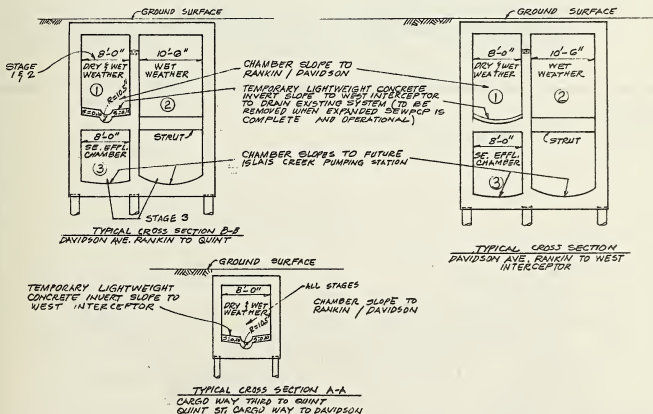


incorporates approximately 10% of the transport-storage required for the total Islais Creek drainage basin.

Stage Two - Because of the inter-related influent and effluent structures. After the completion of the Southeast Plant expansion, the project will be modified slightly and additional use of the facility will be made during both dry weather and wet weather periods.

Stage Three - ICOC Project will provide a transport connection between the expanded Southeast Plant and Islais Pump Station which, in turn, will pump Bay Side flow to the Southwest Plant for treatment and Ocean discharge. The Southeast Plant effluent would discharge into the Bay via an interim outfall ultimately to the Ocean, with provision for emergency discharge to the Bay.

FIGURE 7
Islais Creek Outfalls Consolidation



CHANNEL OUTFALLS CONSOLIDATION (COC)

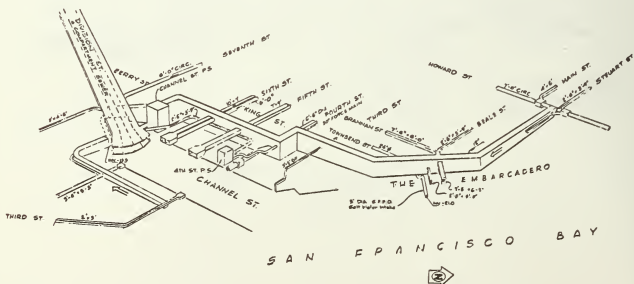
The COC (See Figure 8) project serves three basic functions:

1. Transports dry weather flow originating in the tributary areas north and south of Market Street and south of Channel to the Channel Pump Station (CHPS) by gravity.
2. Transports dry weather flow pumped from the North Shore area to the CHPS. This function obviates the necessity of constructing a section of force main for the North Point Crosstown Transport System.
3. Stores combined wet weather flow for outfall systems 29 through 39 as shown on Figure 1.

The COC project will operate during two distinct stages of Wastewater Master Plan development as follows:

1. After Southeast Water Pollution Control Plant expansion is operational.
2. After Southwest Water Pollution Control Plant and the North-South and East-West Crosstown transport-storage conduits are operational.

FIGURE 8
Channel Outfalls Consolidation



2. SOUTHEAST WATER POLLUTION CONTROL PLANT EXPANSION

After a series of public hearings and alternative investigations, the plant site for the expansion and upgrading of this plant to secondary treatment level was finally approved by the Board of Supervisors in July 1976 with a provision that approximately eight acres of recreation and park-type facilities shall be provided. The preliminary plan and process design of the plant expansion was approved by the State in May 1976.

The approved plantsite is located within the general limits of Evans Avenue on the north, Rankin Street on the west, Oakdale Avenue on the south and Phelps Street on the east as shown on Figure 9. This upgraded secondary treatment plant will have an average design capacity of 85.4 million gallons per day. It will include facilities for influent pumping, prechlorination, screening, grit removal, primary sedimentation, high purity oxygen activated sludge treatment, secondary sedimentation, postchlorination, sulfonation and solids treatment. The plant effluent will be discharged temporarily into both San Francisco Bay and Islais Creek, and ultimately to the Pacific Ocean.

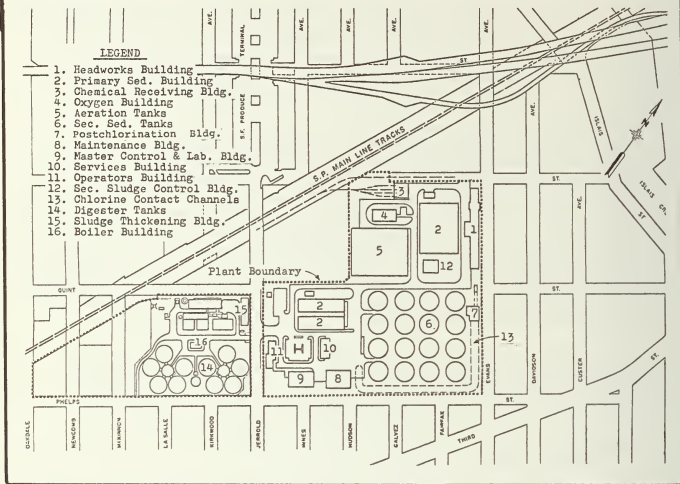
This expanded and upgraded secondary treatment plant will be designed to meet major effluent limitations established by regulatory agencies. The major design criteria and data on the treatment facilities are as follows:

Design Year	1990
Design Flow	
Average	85.4 mgd
Peak	142 mgd
Grit Removal Tanks	5
Primary Sedimentation Tanks	11
Existing	4
New	7
Aeration Tanks	8
Secondary Sedimentation Tanks	16
Anaerobic Digesters	10

The preliminary cost of the plant expansion is estimated to be approximately \$220,000,000. This is predicated on construction starting during the first quarter of 1978. It is expected that the Federal Government will share a maximum of 75% of the total cost. The State and City will equally share the remaining cost.

The expansion and upgrading of this plant will be implemented

FIGURE 9
Southeast Water Pollution Control Plant Expansion



in three steps: the preparation of preliminary plan and process design, the preparation of construction drawings and specifications, and the building and erection of all treatment and services facilities. The preparation of preliminary plan and process design has been completed. The preparation of construction drawings and specifications will be a joint effort of the City, the architectural firm of Hardison and Komatsu Associates, and the sanitary engineering consulting firm of CH2M/Hill, Inc. The City will be responsible for the design of influent pumping, prechlorination, screening, grit removal, primary sedimentation, postchlorination, sulfonation and solids treatment. CH2M/Hill will be responsible for the design of high purity oxygen activated sludge treatment, secondary sedimentation and instrumentation and control. Hardison and Komatsu Associates will be responsible for the design of various service buildings, landscaping, recreation and park-type facilities. The City's portion of the work was started in early 1976. The preparation of all construction drawings and specifications necessary for the plant expansion is scheduled to be done by the middle of 1977. The construction for the plant expansion is scheduled to be completed in 1981.

3. SOUTHWEST (LAKE MERCED) WATER POLLUTION CONTROL PLANT

The 1975-76 Annual Report described the Alternative Wet Weather Plant Site Study, which resulted in the Board of Supervisors directing the Department of Public Works to put the issue of the use of the site south of San Francisco Zoological Gardens as an expanded wet weather and Richmond-Sunset dry weather water pollution control plant on the November 1975 ballot. This site is shown on Figure 10.

The ballot issue was passed by the Electorate completing the first major step necessary to the acquisition of the site for the Southwest (Lake Merced) Water Pollution Control Plant.

Subsequent to the passage, other necessary activities for the final acquisition of the property were initiated. This included commencement of negotiations with the California National Guard for relocation of their existing site within the property, initiation of a request for the necessary congressional action to prevent reversion of the land to the U. S. Army, and discussions with the U.S. Army regarding their existing easements and subsequent relocation. An initial presentation to the two California Coastal Commissions involvement was made and coordination with the Recreation and Park Department concerning their existing master planning effort for their zoological gardens was continued.

It was determined that the facility planning effort (Step I) work would best be accomplished by a private consultant. It was also decided two separate consultants (one to prepare the facility plan and one to prepare the EIR) would be selected. The Request for Proposal and necessary advertisements were sent out and the initial selection of six firms for final competition was made.

The facility planning effort will be quite extensive and will include dry weather/wet weather and solids handling pilot plant work. An extensive evaluation of the effect of various combinations and types of treatment upon the State of California's ocean discharge requirements and the impact of process selection and capacity upon the upstream transport/storage system is planned. Final selection of a consultant and start of the effort is anticipated in the Fall of 1976.

4. SOUTHWEST OUTFALL

This project has been previously reported upon as the Bay Ocean Effluent Disposal Study which was initiated in 1969. As noted in the 1975-76 Annual Report, the decision was made to dispose of all of the City's treated waste waters in the Gulf of Farallones via deep water outfalls and appropriate diffuser systems. A request for proposals for the design work (Step II) was pre-

pared and advertised. Initially 13 preliminary proposals were received and evaluated. Six firms were selected for second stage evaluation and subsequently, the firm of PBQ&D, Inc. was selected to perform the Step II design work.

Contract negotiations are presently underway and anticipated for conclusion in the early Fall of 1976. Coupled with the City's selection of consultants for the design work, has been the review and evaluation of the previous pre-design effort by the State of California's Marine-Estuarine Technical Committee (METC). This committee, composed of various members of the State and Regional Boards, was formed at the beginning of this fiscal year to coordinate all pre-design, pre-discharge and post-discharge evaluation work in the ocean and estuaries of the State. They have at their disposal, the services of the Institute of Marine Resources of the University of California for consulting purposes. This group has proposed an extensive amount of additional oceanographic and geophysical work to be accomplished together with the design of the outfall. This work will augment the previous efforts by Brown & Caldwell and confirm and adjust as necessary the final alignment and location of the outfall and diffusers system. It will also provide the necessary background information for selection of a wet weather diffuser system, either to produce surface or sub-surface waste fields as is appropriate for the protection of the environment. Completion of this work is presently anticipated as follows:

Pre-Design completion February 1978

Pre-Discharge Evaluation end of 1979

Construction of the Outfall, completion projected mid 1981

FIGURE 10
Southwest W.P.C.P.

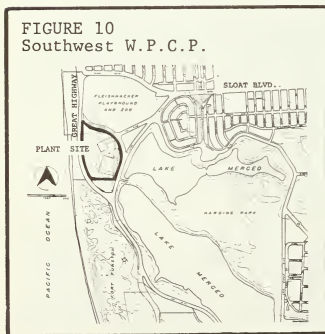
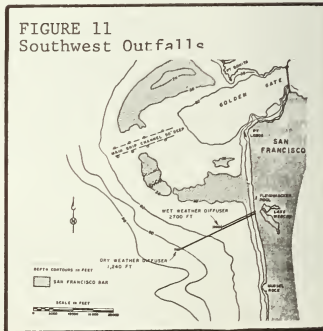


FIGURE 11
Southwest Outfall



The present estimated project cost for the construction of the outfall is \$97 million based upon a 1980 mid-point of construction. Alignments presently considered are shown in Figure 11.

5. INDUSTRIAL WASTE PROGRAM

The San Francisco Industrial Waste Program is intended to regulate industrial waste discharges into the City's sewerage system in order to: (1) protect the sewerage system and operation and maintenance personnel, (2) enable the effluent from the City's three water pollution control plants to comply with the City's NPDES Permit requirements and (3) enforce Federal EPA pretreatment standards where applicable to industry.

During the Fiscal year 75-76, 701 Department of Public Works Orders were issued to 644 industries. These orders established time schedules for complying with provisions of the Industrial Waste Ordinance.

During the year, significant progress was made in controlling discharges of dissolved sulfides. On July 13, 1975, the Regional Water Quality Control Board cited an odor problem at the Southeast Water Pollution Control Plant. Part of the problem was attributed to industrial discharges of dissolved sulfides into the plant influent. Two tanneries were determined to be the industrial sources. The tannery discharges were monitored for dissolved sulfides and in some instances readings of over 300 mg/l were measured. Subsequent to a public hearing on August 6, 1975, orders were issued requiring the tanneries to meet an accelerated time schedule for complying with the ordinance limitations. Tannery discharges of dissolved sulfides decreased over the year from maximums of over 200 mg/l to between 0 and 0.5 mg/l. The tanneries have been placed on self-monitoring programs. Industrial Waste personnel monitor these discharges for dissolved sulfides at irregular intervals.

A source control program for heavy metals was also developed and implemented during the past year. The program calls for industry to remove all heavy metals where practicable from their industrial waste discharges over a six-month period. Industrial Waste personnel are currently working with over 250 industrial dischargers who are under orders to reduce heavy metals. Subsequent to this, the treatment plant influents will be analyzed to determine if additional requirements need to be imposed to enable the City to meet its NPDES Permit requirements.

All NPDES Permit compliance dates for the past year relating to industrial waste were met on schedule. The Industrial Waste Program was found to be satisfactory by the Regional Water Quality Control Board's staff in their report for the hearing of May 18, 1976.

6. REAL TIME AUTOMATIC CONTROL SYSTEM STUDY-RAINFALL PREDICTION

Real Time Automatic Control (RTAC) is a systems approach aimed at the optimization of transport/storage and treatment capacity of wastewater control facilities.

The primary results expected from this project will be an operational RTAC system for the North Shore Outfalls Consolidation Project described elsewhere in this report. In addition, the operational control software developed is expected to be applicable with minor modification to the other watersheds in the City.

To achieve optimum use of the system storage, RTAC implies the development of a control strategy which will determine the manipulation of the control devices in the proposed storage facilities.

The control strategy envisioned would require a real time rainfall prediction model for short time periods. As of yet, no one has developed a model of this kind. Consequently, the City staff has taken the lead in this model development.

First efforts have been oriented toward the investigation of the feasibility of real-time rainfall forecasting.

CONCLUSIONS TO DATE

Although the analysis and the interpretation of near and distant rainfall information from gages in San Francisco and Marin County is not yet completed, the following conclusions are noted:

- a) Quantitative real-time rainfall prediction by the use of Standard National Weather Service rainfall maps or information obtained by using radar scans of storms is not accurate enough to be used in the proposed RTAC project.
- b) The use of radar, however, can provide good qualitative information on the following:
 1. speed and direction of storm.
 2. width and shape of approaching bands within a storm system.

FUTURE WORK

Work will continue on the analysis and interpretation of the two main groups of data; the distant rain gauge data and the local rainfall record.

BUREAU OF SANITARY ENGINEERING

SUPERVISORY PERSONNEL

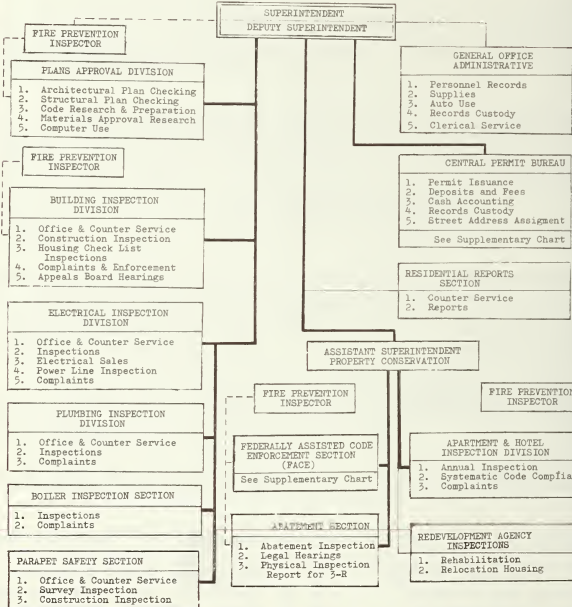
As of June 30, 1976

Alan O. Friedland, Chief Sanitary Engineer

<u>DIVISION & SECTION</u>	<u>PERSON IN CHARGE</u>
SPECIAL ASSIGNMENTS	W. R. Giessner, Sr. Sanitary Engineer
ADMINISTRATION	A. H. Brandow, Civil Engineer
Special Assignments	J. F. Miller, Sr. Management Asst.
Revenue	M. B. Conrad, Management Asst.
GENERAL SERVICES	V. B. Troyan, Civil Engineer
Programs and Budgets	L. Olivari, Asst. Civil Engineer
Office Services	N. Fong, Sr. Clerk Stenographer
INDUSTRIAL WASTE CONTROL	J. M. Barron, Sr. Civil Engineer
MECHANICAL ENGINEERING	A. J. Rando, Sr. Mechanical Engineer
Waste Treatment	M. D. Koo, Mechanical Engineer
Pumping Stations	W. J. Flaherty, Mechanical Engineer
Special Projects	R. W. Dahl, Mechanical Engineer
WASTEWATER FLOW CONTROL	T. F. Landers, Sr. Civil Engineer
Design	D. J. Birrer, Sr. Civil Engineer
Hydrology	H. C. Coffee, Civil Engineer
Sewer Design & Investigation	J. M. Dela Cruz, Civil Engineer
WASTEWATER QUALITY CONTROL	L. A. Vagadori, Sr. Sanitary Engineer
Waste Treatment Design	D. T. Munakata, Civil Engineer
Planning and Studies	R. T. Cockburn, Sanitary Engineer
Special Assignments	M. P. Chow, Sanitary Engineer

ORGANIZATION CHART

JUNE 30, 1976



BUREAU OF BUILDING INSPECTION

Robert C. Levy, Superintendent

CONSTRUCTION ACTIVITY

This year, the largest dollar value of building permits in the last several years was issued. The major category of increase was in Type 1 and 2 buildings, most of which were hi-rise. Actually, two buildings, the Bank of America Data Center and the new Bechtel Building, accounted for approximately 60% of the value of these two types of buildings. Also, alteration work increased about 15% over the average of the last several years. The number of permits stayed approximately constant, so that with a smaller inspection and plan checking staff, the work load of the staff was increased.

STAFFING PROBLEMS

Due to the City's budgetary problems, which has been well publicized, the 1975-76 budget did not contain sufficient positions or funds to allow the Bureau to perform properly all of its required functions. In addition, as personnel left the Bureau either by promotion, retirement, or leaving City employment, requisitions for their replacements were "frozen", and had to be considered by a committee composed of the Controller, Civil Service and the Mayor's Office. If a requisition was passed by that group, it then had to be approved by the Finance Committee. This procedure took several months in many cases, and in some cases the position was not allowed to be filled. This resulted in serious lack of staff on many occasions and there was no way to control our work since we could not plan on the availability of staff at any time. This resulted in transfers of clerical personnel on a daily basis, with persons working fractions of days in different groups.

The 1976-77 budget, passed in June 1976, had further services ramifications for the Bureau. Again, we are left with insufficient clerical personnel in most of our divisions, especially the Abatement Section and the Microfilm Unit; we have lost the Senior Boiler Inspector position, which now leaves us with only one inspector for boiler and air tank initial installation inspections, and for required periodic reinspections.

While certain of our groups, such as Abatement and Boiler Inspections are wholly or in large part supported from ad-valorem funds, the major portion of the Bureau is paid for by permit fees, and budget-cutting and freezes in filling of requisitions for these areas does not really accomplish any tax savings since

personnel needs and fees to be charged are established so that the fees collected cover the costs of operating these groups.

PLANS APPROVAL DIVISION

Despite the shortage of three engineers for the first five months and two engineers for the last seven months of the fiscal year, the structural plan check volume was \$288 million as compared to \$169 million and \$190 million for the preceding two years. This represents approximately a 50 percent increase in plan check volume, which increase is due in part to the abnormally high dollar volume of two Site Permits checked in July and August (\$108.5 million) and in part to increased efficiency of operation. It is significant to note that the production volume was accomplished in spite of an average 12.5 percent diminution of plan check engineers as compared to the preceding two years.

Because of heavy public and industry pressure on improving the plan check backlog situation and in view of the small likelihood of filling the Division's vacant plan checking positions (2 engineers and 1 plan checker) in the foreseeable future, an increased production norm became mandatory. Accordingly, basic changes were implemented in the plan check and processing procedures which increased productivity significantly. It is anticipated that a higher production norm can be maintained whereby other functions of the Division such as product approval and code development work may then be accomplished as routine public service functions with minimal constraints on the Division's prime function of plan checking. This prognosis presupposes no further reduction in force.

On June of this fiscal year the California Regional Water Quality Control Board imposed a ban on construction in the Northeast and Southeast Sectors of the City feeding into the North Point and Southeast Sewage Treatment Plants respectively. A partial lifting of the ban was permitted by the Board on June 15, 1976 which permitted all permits that were ready for issuance at the close of business on June 14th to be issued. This ban on construction was invoked by the Regional Board because of the need to improve the sewer effluent to meet State pollution control requirements. It is anticipated that the Department of Public Work's crash-program to improve the City's sewage facilities will permit gradual resumption of normal permit processing within a few months.

PARAPET ORDINANCE ENFORCEMENT

The Parapet Safety Program has completed its first year of operation. From July thru January, a total of 63 square blocks, containing 850 buildings, were surveyed for potential hazards during earthquakes, and 700 of them received citations

to investigate and/or correct various features. At that point the surveys and issuance of citations were halted pending a reassessment of the Program by the Board of Examiners.

The Parapet Ordinance is a brief, performance oriented statement. The absence of specific requirements, coupled with some unfortunate areas of ambiguity, permits differing interpretations as to what the ordinance requires. For example, the ordinance covers appendages on buildings, and defines them as "... a piece of ornamental statuary, ... or a similar piece of ornamentation." The Bureau interpreted this to include ornamental features on the faces of buildings, such as projecting balconies and balustrades, wall decorations, projections with tile roofing, etc. Program policies and technical criteria incorporating this assumption were adopted by the Bureau after being reviewed by various groups in the design and planning fields.

As some cited owners began obtaining estimates of costs for investigations and repairs, it appeared that these costs in many cases would be much higher than anticipated. In some cases, investigation efforts would result in the destruction of the feature. Concurrently, various groups that are interested in the City's environment and appearance became concerned with the possible effects of the Program. There were fears that owners would generally opt for removal of these architectural features because removal would prove to be the least expensive method of compliance. Together with owners, these groups formed a Parapet Task Force to explore various courses of action. The group was instrumental in getting the Board of Examiners to review the entire Program.

The Board of Examiners appointed a parapet technical advisory committee, composed of members from the SEA and AIA, to work with the Bureau in revising the policies and technical criteria. The Board then held two public meetings on the matter, and in May adopted in principle a revised version of the original guidelines. Among other things, the revised version excludes cornices and parapets under certain conditions, excludes all ornamentations on the faces of walls, and reduces by over 70%, the level of forces under which parapets must remain stable.

Immediately after the adoption of these revisions, resurveys of cited buildings were started to determine what modifications must be made to the original citations. At the end of June 1976, approximately 110 amended citations had been sent to owners. As a result of the changes, approximately 1/8th of the buildings cited originally are being cleared without any work.

At the end of June, 3 buildings were cleared as a result of corrective work performed, 3 were cleared without work as a result of investigations by owner's consultants, and several buildings were in various stages of investigation programs. The slow rate of compliance is due to the liberal time limit allowed for compliance, and to the hesitancy among owners

caused by the rumored, then actual, revisions. It is expected that, with Program requirements now clearly defined by the Board of Examiners, and not likely to be changed to any significant extent, the Program will move forward at a more rapid pace. The next fiscal year should see many more buildings undergoing or completing corrective work to achieve compliance with the Parapet Safety Program.

REORGANIZATION OF BUREAU OF BUILDING INSPECTION

The reorganization of the management structure of the Bureau of Building Inspection has been discussed in the last two annual reports. It basically consists of the addition of four management positions: Assistant Superintendent, Property Conservation; Assistant Superintendent, Administration; Building Code Analyst; and Senior Systems and Procedures Analyst. These positions were approved in the 1974-75 Budget, and as stated in last year's Annual Report, it was expected that they would be filled during the current fiscal year. The Assistant Superintendent, Property Conservation was to be financed from Community Development funds, while the remainder were to be paid from permit fees.

During the fiscal year, the Assistant Superintendent, Property Conservation was financed and filled, but the other three positions were frozen. The former Superintendent took the position that without these positions the Rehabilitation Assistance Program (RAP) could not be implemented, due to the drain on the Superintendent's and Deputy Superintendent's time. This standoff was well covered in the news media. The new Superintendent agreed to start the RAP program provided a high level position in the Property Conservation Division, previously unfunded, was restored. This was done, and the RAP program will proceed.

However, the other three positions were eliminated from the 1976-77 budget. It is hoped that the Assistant Superintendent, Administration can be restored during the fiscal year. This leaves the management of the Bureau definitely undermanned, and with new programs by both the City and State being thrust upon the Bureau, management and control of the twelve divisions will continue to suffer and worsen. It is hoped that in the next budget, the reorganization can be completed.

CRAFTS STRIKE

During the crafts strike in the Spring of 1976, which lasted for 38 days, 450 McAllister Street was picketed virtually the entire period, although the outlying offices were not. The district electrical inspectors and almost all of the district plumbing inspectors at 450 McAllister refused to cross the picket lines and did not work. A procedure was established



Top Left: Bechtel Building under construction at Market & Fremont.
 Top Right: Chinese Hospital Clinic at Jackson & Stockton. Above:
 Bayview Apartments in the Hunters Point Redevelopment Area.

whereby a licensed engineer could inspect the job and approve the work by letter certification, thus not delaying work in the field. Nevertheless, it had a serious effect on code enforcement, as many jobs were done without permit, and alteration jobs underway were covered up without inspection. Building inspectors as well as the other Divisions of the Bureau in general worked throughout the strike, so the effect on other than plumbing and electrical inspections was minimal.

BUILDING BAN

In May, 1976 the Bay Area Regional Water Quality Control Board imposed a ban on the issuance of permits for construction which would add additional flow to the sewer system in the North Point and Southeast districts. This roughly comprises the eastern half of the City, that is, from the top of Twin Peaks east. There is no ban on the Richmond-Sunset district which comprises the western half of the City. In June the Regional Board, due to certain corrections the City made to the system, allowed all permits which were held up to be issued. It is expected that at least for the next several months the Regional Board will consider on a monthly basis the improvements made to the sewerage system and, if the progress is deemed satisfactory, will allow permits accumulated during that month to be issued.

This periodic release of batches of permits adds an additional delay to the construction process, and has caused much frustration among developers and builders. To accomodate them, we have revised our sequence of plan checking to minimize the time required to complete processing the permit once it is released by the Regional Board.

STATE FIRE MARSHALL RETROACTIVE HI-RISE REGULATIONS

In the 1974-75 Annual Report there was a discussion of these regulations. During this fiscal year, additional opposition, especially from the San Francisco area, together with the appointment of a new State Fire Marshall, led to further changes to the proposed regulations. These changes removed many of the overly restrictive requirements and high cost items that provided questionable benefits.

A remaining requirement still of serious concern is that all doors in high rise apartments and hotels must be at least one and three-eighths inch (1-3/8") thick solid core doors. There are many thousands of wood panel doors in such buildings which do not meet this requirement. Their replacement, or in lieu of that, the installation of a sprinkler system in the corridors, will be a very costly item, and is believed to be of questionable need.

Public hearings were held in May and June. With the elimination or lessening of many of the restrictive provisions, there was little opposition expressed at the hearings, and it is expected they will become effective in the next month or two.

While the Fire Department is the enforcing agency, nevertheless building, electrical, and many times, plumbing, permits will have to be secured to perform the necessary work. A joint inspection by the Fire Inspector and the Building Inspector will be required for each building, as well as construction inspections during the period of the alteration work. We estimate there are about 700 buildings in the City that fall into this high-rise category. With only a three year period allowed to bring all of these buildings into compliance, a substantial additional workload will be placed on our already overstrained staff.

PERSONNEL CHANGES

Besides the retirements, promotions, and transfers which are normally associated with an organization of the size of this Bureau, certain significant personnel changes took place in the management of the Bureau. On May 10, 1976, Robert C. Levy assumed the position of Superintendent. Mr. Levy had been Superintendent from 1959 through 1967, at which time he was appointed City Engineer. Effective May 10, he resumed his former position. This in turn "bumped" Mr. Goldberg, who had been Superintendent since 1967, to his former position as Deputy Superintendent. Mr. Goldberg, as of the end of this fiscal year, was planning to take his vacation, and was seriously considering retirement. Mr. William Kastius, Deputy Superintendent, retired in early May.

If Mr. Goldberg decides to retire, it will be a great loss to the City and to the building industry. The retirement of Mr. Kastius, after many years of devoted service, will also be seriously felt.

GARTLAND APARTMENT FIRE

On December 12, 1975, a very serious and tragic fire occurred at the Gartland Apartments, 495 Valencia Street, and at least 12 persons lost their lives. The fire was set in a stairwell by an arsonist, and spread by means of an unenclosed stairway. Such stairways are violations of the Housing Code. This tragedy again pointed out the problems of an abatement procedure which gives property owners who do not wish to correct code violations too many means of delay, and also the problems of understaffing in our Housing Code enforcement groups and in the City Attorney's office. The Kopp amendment, which is discussed in another section of this report, will definitely improve the procedural deficiencies, but until sufficient supervisorial,

inspectional, clerical, and legal staff is provided, there will continue to be a large backlog of cases, and the ever-present chance of another tragic incident similar to the Gartland Apartment fire.

SYSTEMATIC CODE ENFORCEMENT PROGRAM (SCEP)

The Division of Apartment and Hotel Inspection is responsible for this program. During the fiscal year, the residential environment inspectors made 1495 complete survey inspections and reports to owners, and additionally made required routine periodic inspections. This brings the total to approximately 9000 buildings, containing 90,000 units, out of a total of 18,000 apartment and hotel buildings with 180,000 units. These buildings have been selected on the basis of a rating giving priority to the inspection of the 1000 most hazardous buildings each year over the past nine years.

85% of these property owners return a building permit application within 30 days of receiving this report. The district building, plumbing, and electrical inspectors then conduct a joint inspection and give a complete list of requirements to the owner. A



Above: State Compensation Insurance Fund Building.

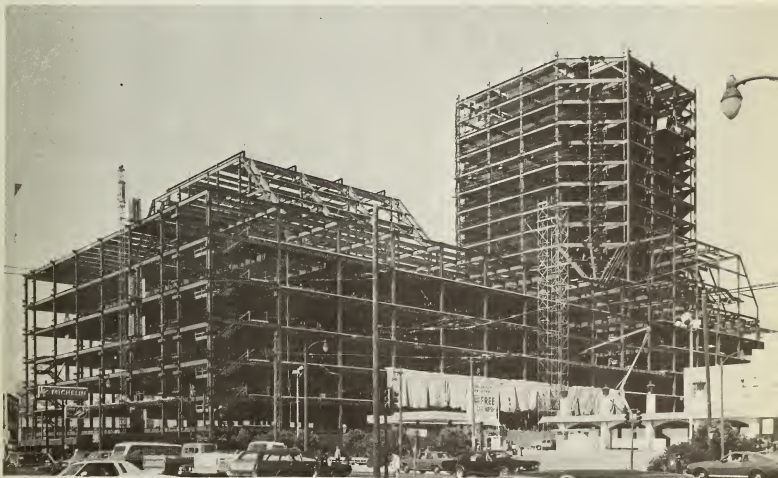


Above: Embarcadero No. 3 in the Embarcadero Center.

substantial amount of the district inspectors' time is devoted to 900 of these cases throughout the year. This constitutes a disproportionate amount of the inspectors' time in relation to the total number of building permits (11,000) calling for inspections during the year. With a loss of one building inspector position, and a freeze on another vacant position during the year, the Bureau's ability to provide proper service to the fee paying public has been reduced.

ASSEMBLY BILL 475

State Assembly Bill 475, authored by Assemblyman Willie Brown, has been in effect since January 1975. Under this law, an owner of rental property loses his California State income tax exemptions connected with the property if he fails to correct his code violations within 6 months of being notified by the Superintendent. Approximately 6000 property owners have been notified to date. Of these, 1876 have not complied and, unless reversed by the Abatement Appeals Board (AAB), the Superintendent will notify the Franchise Tax Board (FTB), which will then prohibit the tax deductions. The AAB has heard 527 appeals while 619 Notices of Non-Compliance have been sent to the FTB



Above: Bank of America Data Processing Center at 11th & Mission Streets.

thus far. This has been a most valuable tool in the Bureau's housing code enforcement efforts.

Monitoring the progress of all rental properties, which must have a complete inspection report, for compliance with this law has added to the workload of the already overstrained staff. Although the State is reimbursing the City for some of the costs of this work, the reimbursement is being allocated to the General Fund. Clerical staff is being diverted to this work from the Abatement Division, thus slowing the processing of abatement cases. It is hoped that during the next fiscal year a trust fund of the State funding can be used to employ additional clerical help.

KOPP AMENDMENTS TO BUILDING CODE REGARDING CONDEMNATION PROCEDURES

Supervisor Quentin Kopp's amendments to the S.F. Building Code abatement and condemnation procedures at the end of FY 1976 will result in a shortening of the time periods the Superintendent is allowed before he has to refer the building to the Director for a hearing. It also limits the amount of time and number of continuances the Director and the Abatement Appeals Board can give at their respective public hearings.

The purpose of these amendments was to reduce the amount of time between the date the complete inspection report is sent to the owner and the date the case is referred to the City Attorney for prosecution in the courts. Although this purpose is excellent, there will be increases in the amount of clerical and inspection time required to meet the shortened deadline for processing of the large backlog of cases in the pipeline to the next administrative step. This backlog, over 3000 cases, is a serious concern since it represents uncorrected buildings that contain serious code violations, and, in many instances, are hazards. This backlog thus gives an incentive to property owners to delay improvements. It will require an increase in both the inspection and clerical staffs to reduce this backlog to manageable proportions within a reasonable time period.

REHABILITATION ASSISTANCE PROGRAM (RAP)

In March of 1976, a favorable IRS ruling was received which designated the RAP bonds as tax exempt. This should allow a lower interest rate on these revenue bonds when sold to generate rehabilitation loan funds. Such funds will then be lent by the City to property owners in designated RAP areas.

The bonds have not as yet been sold because the RAP start up has been delayed due to a dispute with the Board of Supervisors as to the need for additional top administrative positions in the Bureau. To continue to take on additional, expanded, and more complex responsibilities, such as RAP, the Bureau had proposed a reorganization which called for four additional administrative

positions. These positions were approved in the fiscal year 1974-75 budget, to be funded out of permit fees; however, all positions except one, Assistant Superintendent, Property Conservation, were deleted by the Finance Committee in the 1976-77 budget. Because the vacant position of Administrator, Property Conservation is now authorized by the Board in the RAP budget, to be funded from Community Development funds, the Bureau has now agreed to begin the RAP on a reduced scale and slower pace. RAP will begin in the Inner Richmond as soon as the bonds are sold (estimated to be November 1976) and the Upper Ashbury (February 1977), after the EIR/EIS and public improvement plan has been approved by the Board and the Mayor.

REPAIR AND DEMOLITION FUND

As of June 30, 1976, \$44,391.50 remains of \$100,997.66 originally allotted to this fund. Three buildings were demolished and one building was barricaded during the past year from this fund.

The Building Code was amended at the end of this fiscal year to eliminate the dollar limitation on the amount of work that can be done, and the percentage of assessed valuation was increased from 40% to 50%. To date, no buildings have been repaired with this fund. This was due to either the limitation on the amount of work that could be done, or to the interest rate of 1% per month on the unpaid balance of the tax lien by which the fund is reimbursed. It is hoped that with the increased expenditure limits, some buildings which would otherwise be demolished can be repaired and brought up to Code standards.

REPORT OF RESIDENTIAL RECORDS

The 3-R work load for the past many years has averaged around 7500 reports per year. During the last year the number of reports requested increased to 12,000, and requests are continuing at this higher rate. This increase is being accommodated with no increase in staff. However, where we used to be able to furnish a report within one working day after receipt of the application, there is now a backlog, and the average turnaround time is five working days. In addition, the time being devoted to research of the records of each building is less, and the quality and reliability of the reports has deteriorated significantly. If it were not for the microfilm system, which has recently become completely operative, we would have a hopeless situation.

Rapid turnaround is necessary so as not to delay real estate sales, and accuracy is essential if the buyer is to be properly informed as to the legal status of the building. The fees generated from this service are substantially in excess of the expenditures for the 3-R section, and if the requests for reports continue at near the present rate, it is of the utmost importance that we obtain additional staff for this section.

SUMMARY

BUILDING PERMITS

TYPE OF CONSTRUCTION	1974-75 NO. OF PERMITS	1975-76 NO. OF PERMITS	1974-75 ESTIMATED COST	1975-76 ESTIMATED COST
Type 1	14	11	\$84,498,419	\$145,090,841
Type 2	2	1	3,460,988	20,430,841
Type 3	6	2	749,000	230,800
Type 4	13	15	708,873	1,067,393
Type 5	387	491	33,724,416	46,822,157
Alterations	<u>10,433</u>	<u>10,459</u>	<u>59,964,121</u>	<u>70,473,424</u>
TOTAL	10,855	10,979	\$183,105,817	\$284,115,456

Type 1 - Steel frame, reinforced concrete, or reinforced masonry structural elements. Fire-resistive construction.

Type 2 - Similar to Type 1, but with limitations.

Type 3 - Wood frame floors with exterior walls of concrete or masonry

Type 4 - Light incombustible frame construction.

Type 5 - Wood frame construction.

MISCELLANEOUS STATISTICS

	<u>1974-75</u>	<u>1975-76</u>
Inspections reported by building inspectors	39,662	36,338
Projects remaining on which permits have been issued that have not been reported completed by building inspectors	5,049	5,478
Complaints reported that have been adjusted by building inspectors	2,810	1,708
Inspections reported by boiler inspector	2,079	842
Inspections of City boilers and air tanks	181	96
Complaints received and adjusted - boilers and air tanks	801	542
Complaints and requests for information	3,100	1,972
Applications for permits examined and approved by Plans Approval Division	Buildings 1,246 Signs 811	1,311 677
Buildings inspected for hazardous parapets and appendages	0	850
Report of Residential Records	7,620	9,924
Miles travelled during the year by vehicles on inspection service	322,905	306,948

PLUMBING INSPECTION DIVISION

PERMITS AND FEES	1974-75	1975-76
Number of permits, combined work (plumbing, gas, water piping, etc.)	2303	2333
Number of permits, plumbing only	1172	1177
Number of permits, gas only	5244	5606
Number of permits, water only	2611	2157
Number of plumbing permit issuance fees paid	2970	3170
Number of gas permit issuance fees paid	2110	2265
Number of water line permit issuance fees paid	4094	3779
Number of extra charge fees	565	600
Number of reinspection charge fees	114	107
Total receipts for fiscal year	\$216,646	\$368,541

INSPECTIONS

Number of inspections made (plumbing, water, gas, etc.)	15,684	13,387
Number of jobs finalized	6220	5209
Number of lockouts	992	1211
Number of hours spent on fee exempt work	3732	3484

COMPLAINTS AND ADJUSTMENTS

Number of complaints received	1015	1934
Number of complaint inspections	1972	1640
Number of Coroner's requests for investigations		1
Number of condemnation reports		63
Number of work without permit found (penalty work)	114	108

SEWERS

Number of building sewers installed	439	422
Number of building sewer traps replaced	80	60
Number of building sewers replaced or repaired	160	294

PLUMBING FIXTURES, ETC.

Number of plumbing fixtures and water discharge	27,561	31,969
Number of sump ejectors	5	9
Number of grease interceptors	4	16
Number of rain water leaders	385	1089
Number of water outlets (over 4)	55,935	60,246

GAS INSTALLATIONS

Number of gas lines installed, 1 outlet only	2860	2964
Number of gas outlets over 1	2796	2670
Number of gas conversions	14	44
Number of warm air furnaces	1918	2685
Number of water heaters	3056	2908
Number of miscellaneous gas appliances	3692	3674

ELECTRICAL INSPECTION DIVISION

PERMITS AND FEES	<u>1974-1975</u>	<u>1975-1976</u>
Permits issued, wiring	9,984	10,414
Permits issued, signs	776	579
Electrical sales, licenses registered	2,222	2,268
Electrical contractors, registered	786	776
Plant owners, licenses registered	36	31
Electrical wiring and fixtures permit fees received	\$331,083.22	\$274,346.00
Electrical sign permit fees received	5,016.50	3,219.00
Electrical sales license fees received	56,250.25	40,700.00
Plant owners license fees received	3,000.00	2,746.00
Total receipts for Fiscal Year	\$395,350.47	\$321,011.00
INSPECTIONS		
Inspections made	33,132	28,655
Electrical surveys of multi-unit buildings for code compliances (DAHI)	551	738
Complaints investigated (found defective)	2,866	2,214
Jobs discovered without permit	140	86
Installations in progress as of June 30	4,714	5,870
Number of lockouts	1,143	1,012
Number of hours spent on fee exempt work	6,301	5,512
Wiring and fixture installations inspected and completed	10,292	8,714
Sign installations inspected and completed	790	504
Pinball machine inspections	349	42
Inspections of nursing homes and boarding homes for ambulatory aged	27	23
Night clubs, public assembly, dance halls, movie, theaters, etc. - inspections	339	63
Spray booth inspections	13	0
Massage parlor inspections	21	1
Specials (garages, parking lots, laundries, second-hand stores, etc.)	219	24
Citations to the District Attorney	43	43

DIVISION OF APARTMENT AND HOTEL INSPECTIONS

	1974 -75		1975-76	
No. of Structures Inspected-Inspection Orders turned in (Does not constitute total number of inspections made)				
Apartment Buildings	6,731		12,356	
Hotels	188		300	
No. Complete Inspections	539		1,495	
No. Structures Rehabilitated	538		532	
No. Structures "Picked Up"				
no Previous Housing Files	Bldgs.	Units	Bldgs.	Units
Apartment Buildings	108	425	133	519
Hotels	0	0	2	108
No. New Buildings and No. Units Gained				
Apartment Buildings	79	2,015	88	1405
Hotels	1	240	2	678
No. of Structures Reverted to Dwelling	15		49	
No. of Structures Demolished				
Apartment Buildings	Bldgs.	Units	Bldgs.	Units
Hotels	50	468	26	201
	11.	943	9	549
No. Cases Abated				
With Building Permit	542		532	
	529		507	
Total Units in Substandard Bldgs.				
Last Total No. Legal Units	A*	B*	A*	B*
No. Dwelling Units Brought Into Compliance	4198	4,365	6202	6376
No. Units Eliminated	4122	4122	6300	6300
No. Units Gained	189	247	28	79
	113	4	126	3
A* - As per original use. B* - As per existing use.				
No. Permits of Occupancy				
Apartment Buildings	Issued	Revoked	Issued	Revoked
Hotels	1131	110	984	248
Apt/Hotel	38	9	40	-
No. Principal Conferences	185		4	
No. Abatement Conferences	572		-	
No. Administrative Conferences	-		461	
No. Condemnation Cases - Recommended				
Apartment Buildings	311		377	
Hotels	9		2	
No. Building Permit Applications Received and Processed	2,097		2,656	
No. Requests for Citation to District Attorney	0		0	
No. Requests for Warrants	0		3	
No. Complaints Received	713		755	
No. Complaints Abated	467		600	
No. Notices Sent	8,025		6,300	
No. Potential Displacements				
Apartment Buildings	208		270	
Hotels	22		26	

PERSONNEL

As of June 30, 1976

Robert C. Levy, Superintendent
Alfred Goldberg, Deputy Superintendent

GENERAL OFFICE - ADMINISTRATIVE

	1	1408 Principal Clerk
	2	1446 Senior Clerk Steno
D. Barnard	<u>1</u>	
Principal Clerk	4	

PLANS APPROVAL DIVISION

	1	5210 Sr. Civil Engineer
	1	5214 Bldg. Plans Engineer
M. Choy	1	5218 Structural Engineer
Sr. Civil Engineer	4	5208 Civil Engineer
	1	5206 Assoc. Civil Engineer
H. G. Fong	2	6266 Sr. Plan Checker
Bldg. Plans Engineer	1	6262 Plan Checker
	<u>1</u>	1424 Clerk Typist
	12	

BUILDING INSPECTION DIVISION

	2	6334 Chief Bldg. Inspector
	<u>16</u>	6331 Building Inspector
R. McDonnell	18	
Chief Inspector		

ELECTRICAL INSPECTION DIVISION

	1	6250 Chief Electrical Inspector
	1	6252 Line Inspector
W. O. Maitland	15	6248 Electrical Inspector
Chief Inspector	1	1446 Senior Clerk Steno
	<u>1</u>	1424 Clerk Typist
	19	

PLUMBING INSPECTION DIVISION

	1	6244 Chief Plumbing Inspector
	9	6242 Plumbing Inspector
K. R. Lewis	<u>1</u>	1424 Clerk Typist
Chief Inspector	11	

BOILER INSPECTION SECTION

F. Reid	<u>1</u>	6236 Boiler Inspector
Boiler Inspector	1	

PARAPET SAFETY SECTION

	1	5218 Structural Engineer
	<u>2</u>	6331 Building Inspector
F. Lew		
Structural Engr.	3	

RESIDENTIAL BUILDING
RECORDS SECTION

	1	B516 Sr. Clerk Typist
	1	1426 Sr. Clerk Typist
J. Farr	1	1424 Clerk Typist
Sr. Clerk	<u>3</u>	

PROPERTY CONSERVATION
GROUP

B. A. Cummings	1	5178 Assistant Superintendent
Asst. Superintendent		
Property Conservation		

ABATEMENT DIVISION

	1	6334 Chief Bldg. Inspector
R. F. Dunne	8	6331 Building Inspector
Chief Inspector	3	6248 Electrical Inspector
	1	6242 Plumbing Inspector
	1	1446 Senior Clerk Steno
	1	1444 Clerk Steno
	<u>1</u>	1424 Clerk Typist
	16	

APARTMENT & HOTEL
INSPECTION DIVISION

	1	6274 Chief Residential Environment Inspector
E. Orr	1	6272 Sr. Res. Environment Insp.
Chief Inspector	13	6270 Residential Env. Insp.
	1	1444 Clerk Steno
A. Chinn	<u>1</u>	1424 Clerk Typist
Senior Inspector	17	

FACE/RAP DIVISION

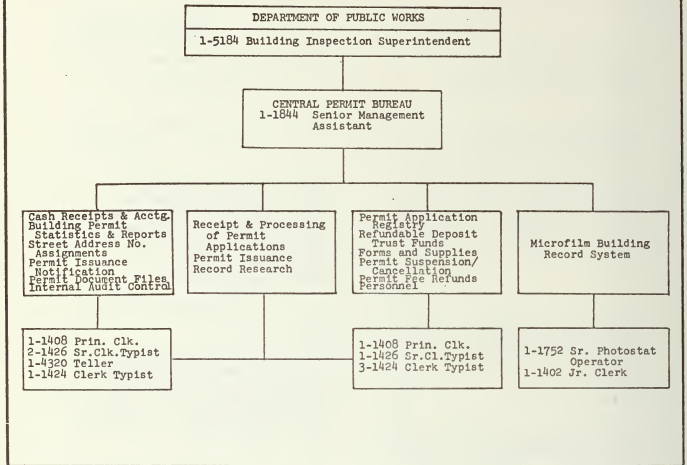
W. O'Neill	1	6336 Property Rehabilitation Manager
Property Rehab.		
Manager	<u>32</u>	See Face/Rap chart, page
	33	

RETIREMENTS

During the past year, the following employees were retired, and recognition is given for their faithful service:

COLE, Alvin	6334	Chief Building Inspector	27 years
KASTIUS, William	5183	Deputy Superintendent	14 years
KETCHUM, George	6331	Building Inspector	21 years
MURPHY, William	6331	Building Inspector	18 years
EDSON, John	6238	Senior Boiler Inspector	19 years
JAMES, Henry	6333	Senior Building Inspector	35 years
LARSEN, Robert	6331	Building Inspector	22 years

DEPARTMENT OF PUBLIC WORKS
CENTRAL PERMIT BUREAU
ORGANIZATION CHART
June 30, 1976



BUREAU OF BUILDING INSPECTION

CENTRAL PERMIT BUREAU

Norman S. Machol - Senior Management Assistant

The Central Permit Bureau is charged with the receiving, recording, and processing of applications for the various permits and licenses under the jurisdiction of the Department of Public Works, collection of the applicable fees, including extra charge and penalty amounts, and issuance of the permits. Included are permits covering each aspect of the erection, alteration, demolition and moving of buildings; permits for the various types of signs; permits involving the use or excavation of streets and sidewalks; and plumbing, gas appliance, boiler and electrical permits.

Departmental monetary receipts are received for deposit with the City Treasurer. Detailed accounting records are maintained as to revenue or non-revenue classification account number; records relative to receipt and refund of certain refundable deposit trust monies; records of certain Departmental receivables; and records for use in preparing of revenue estimates.

Claims for refund of permit fees paid are reviewed and processed in accordance with applicable code or other reference authorization. Uncollected receivables are transferred to the Bureau of Delinquent Revenue for further collection attempts, abandonment or compromise.

Reports prepared by the Bureau include building permit issuance statistics and divisional revenue receipts.

The Bureau maintains the official record of street addresses, which function includes assignments, changes, corrections and verifications.

Postings of notification of permit issuance are made on the premises of property affected relative to new buildings and structures, moving of buildings from one site to another, and for permits affecting a change of use of occupancy. Owners of property adjacent to a building where a permit for a structural addition has been issued are notified by mail. Permittees are notified of appeals filed at the Board of Permit Appeals and of permit suspensions and revocations.

Applicable permit documents are processed in accordance with the regulatory program requirements of the California Coastal Zone Conservation Commission.

The Bureau responds to subpoenas duces tecum by appearing at court with official records as ordered.

In compliance with requirements of the State Strong Motion Instrumentation Program, the Bureau collects a fee of 0.007 per cent of the estimated construction cost on building permits authorized for deposit in the State Treasury.

PROGRAMS

The program to convert to a microfilm system for retention of building permit records was begun early in 1974. The ongoing program has, at this writing, produced approximately 3,372,629 microfilm document frames of various records including all plan documents, permit applications and inspection records. Approximately three thousand square feet of storage floor space was thereby gained for other uses. The program of conversion to microfilm of all building records was essentially completed in June 1976 at which time additional office floor space within the Bureau became available for alternate use.

BUREAU OF BUILDING INSPECTION

THE FOLLOWING TABLES ILLUSTRATE THE SCOPE OF THE ACTIVITIES OF THE CENTRAL PERMIT BUREAU

TABLE I

PERMITS ISSUED AND FEES RECEIVED

	1975-76		1974-75	
	PERMITS	FEES	PERMITS	FEES
Building Permit	10,569	\$ 601,893	10,879	\$ 454,573
Application Filing Fee	19,246	(Above)	8,793	(Above)
Demolition	210	5,728	276	10,169
Boiler Installation	94	1,130	82	1,530
Boiler Inspection	483	9,768	636	11,351
Street Space*	557	204,271	494	106,285
House Number	412	2,883	314	2,848
House Moving	2	40	14	475
House Moving Invest. Fee	0	--	3	45
Excavation (Pub. Util.)	16,756	67,026	17,494	34,988
Excavation and Curb (Other)	478	2,269	338	2,479
Partition Relocation	25	75	50	150
Flue	1,631	4,661	1,388	5,955
Posting Notice	327	846	267	893
Flower Market	61	5,271	29	2,065
Advertising	47	526	3	688
Survey	0	--	7	4,430
Engineering Inspection	100	27,770	116	63,330
Elect. Wiring and/or Fxtr.	10,581	273,448	9,926	331,288
Electrical Sign	655	3,220	723	5,019
Electrical Sales	1,986	23,855	2,219	56,650
Plant Owner	23	2,300	25	2,500
Plan Checking	3,657	261,307	3,415	240,759
Garage Door Coupons	925	2,625	750	2,250
Hearings - Code Variances	19	570	32	391
Hearings - Sub. Materials	0	--	3	450
Plbg. Fxtr. & Gas Appl.	7,704	248,110	10,737	215,617
Gas Appliance Dealer	25	625	29	725
Gas Appliance Workman	2	10	0	--
Residential Inspection Rpt.	22	1,400	19	1,225
Residential Record Report	9,924	74,393	7,682	57,143
Industrial Wastes	2,920	88,207	2,805	168,164
Blasting	6	12	5	62
Sidewalk	2,364	17,284	2,186	15,614
Sub-Sidewalk Space*	6	293	5	24
Debris Box	5,760	11,600	5,450	10,900
TOTAL - TABLE I	97,578	1,943,566	87,194	1,811,035
TOTAL - TABLE II	2,745	680,752	2,672	559,248
TOTAL - TABLE III		21,132,920		18,668,131
GRAND TOTAL - PERMITS AND RECEIPTS	100,323	23,757,238	89,866	21,038,414

* Permits and fees only. See Table II for Refundable Deposits.

TABLE II
TRUST FUND DEPOSITS

	1975-76		1974-75	
	PERMITS DEPOSITS		PERMITS DEPOSITS	
REFUNDABLE DEPOSITS				
Street Space*	*	\$ 24,996	*	\$ 19,620
Sub-Sidewalk*	*	7,900	*	1,720
Deposit on Plans	2,106	97,540	2,189	188,170
Excavations*	*	180	*	34
	<u>2,106</u>	<u>\$130,616</u>	<u>2,189</u>	<u>\$209,544</u>
* Street Space, Sub-Sidewalk and Excavations require both a fee and a deposit. Amounts shown are deposits only.				
PARTIALLY REFUNDABLE DEPOSITS				
Side Sewers	304	\$435,595	222	\$237,060
Side Sewers-Excess Costs		<u>31,773</u>		<u>23,934</u>
	<u>304</u>	<u>\$189,608</u>	<u>222</u>	<u>\$260,994</u>
AGENCY DEPOSITS				
Street Imprv. Bonds	335	\$ 67,585	261	\$ 75,949
State-Strong Motion Prg.		<u>8,643</u>		<u>12,761</u>
	<u>335</u>	<u>\$ 76,228</u>	<u>261</u>	<u>\$ 88,710</u>
TOTAL TRUST FUND DEPOSITS	2,745	\$680,752	2,672	\$559,248

TABLE III
OTHER RECEIPTS

	1975-76	1974-75
General Fund	\$11,794,235	\$ 9,042,603
Special Gas Tax-Street Improvement Fund	5,622,315	5,947,659
Road Fund	3,560,461	3,628,720
State Highway Trust Fund	119,888	22,137
Various Funds	<u>36,021</u>	<u>27,012</u>
TOTAL OTHER RECEIPTS	\$21,132,920	\$18,668,131

TABLE IV
STATEMENT OF CONDITION - PRIVATE TRUST FUNDS
As of June 30, 1976

	BALANCE 6-30-75	DEPOSITS 1975-76	TRANSFERS & REFUNDS 1975-76	BALANCE 6-30-76
Excavation	\$ 5,532	\$ 180	\$ 442	\$ 5,270
Street Space & Sub-Sidewalk	169,480	32,896	11,740	190,636
Plans & Specifications	43,808	97,540	80,375	60,973

BUREAU OF BUILDING INSPECTION
ORGANIZATION CHART
PROPERTY CONSERVATION (53):

Asst. Supt. Prop. Cons.
B. Cummings

Administrator
Prop. Cons. Div.
(5286) V

Division of Apartment & Hotel Inspection	
Chf Resd Environment Inspector E. Orr (DAHI)	
Systematic Inspection on a priority basis; 1,000 most hazardous bldgs per year. Annual inspection for permit of occupancy; complaints	
Sr. Res. Env. Insp.	1
Res. Env. Insp.	14
Clk Steno	1
Clk Typ.	1
Clk Typ.	2*
Total	20

FACE/RAP (33)	
Property Rehabilitation Manager, Wm. O'Neill	
Designated Area-wide Code Enforcement providing Rehabilitation Counseling, Loans, Grants Relocation Assistance and benefits, public improvements. Federally Funded.	

Abatement (19)	
Chief Bldg Insp. Robert Dunne	
Litigation of Citywide Code Enforcement cases originating from throughout the bureau where compliance was not secured voluntarily.	
Building Insp.	11
Electrical Insp.	1
Plumbing Insp.	1
Fire Insp.	1
Sr. Clk Steno	1
Clk Steno	1
Clk Typ.	1
Clk Typ.	1*
Total	19

Field Office	
Sr. Bldg. Insp. John Molinar	
Sr. Bld. Ins	1 V
Bldg. Insp.	10
Bldg. Insp.	1 V
Plmb. Insp.	2
Elect. Insp.	2
Sr Clk Typ	1
Clk Typ	2
Total	20

Central Office	
Chief Clerk Loretta Cashman	
S & P Anl	1
Jr. Mgt Asst	1
Jr Acct Clk	1*
Sr Clk Typ	3
Clk Typ	3
Jr Clk	1
Comm Lia Off	1*
Total	12

Workorder Personnel: (14)
Real Est: 4 Ln, Off. 1 Act Clk 1 Clk T
City Plan: 2 Plnrs, 1 clk Typ
City Attny: 1 Attny, 3 Clerical Typist
Bur of Accts: 1 Accountant
Central Relocation Service on case basis.

* CETA FUNDED

** DAHI NOT INCLUDED
V-VACANT

PROPERTY CONSERVATION
FEDERALLY ASSISTED CODE ENFORCEMENT (FACE)
REHABILITATION ASSISTANCE PROGRAM
SYSTEMATIC CODE ENFORCEMENT PROGRAM
AND ABATEMENT

The Comprehensive Plan for Residence, to maintain and improve the quality of the City's residential communities, basically involves two types of code enforcement programs:

- (1) City-wide type deals with multi-unit building to maintain basic health and safety standards.
- (2) Selected areas concentrates on all structures within the area.

FACE and RAP fall under the category of selected areas. Sale of bonds for RAP was ruled constitutional by the California Court of Appeals and upheld by the State Supreme Court in March 1975. An IRS ruling in March 1976, confirmed the RAP bonds to be tax exempt.

The Environmental Impact Report prepared by the Department of City Planning for the Upper Ashbury RAP area is complete and will be published in August 1976. The Public Improvement Plan for this area is also complete and will go to the Board of Supervisors for approval in August.

As of June 30, 1976, the total budget and cost of the FACE project (since it's inception in September 1966) is as follows:

	<u>Budgeted</u>	<u>Expenditures/ Encumbrances</u>	<u>Balance</u>
1. Administration and operational expenditures Section 117 & local funding for land acquisition & public improvements.	\$ 9,924,994	\$ 9,521,510	\$403,484
2. Community Development Block Grant. Administrative & Operational Exp.	734,500	653,214	81,200
Total Adm. & Operation Exp. incl. local contributions	<u>\$11,065,494</u>	<u>\$10,174,724</u>	<u>\$484,684</u>
3. Grants in Aid categorical funds			
Sec 114 Relocation Grants	803,500	803,494	6
Sec 115 Rehab. Grants	<u>896,085</u>	<u>871,248</u>	<u>24,857</u>
Total Grants in Aid HUD Funding	\$1,699,585	\$1,674,742	\$24,843

	<u>Budgeted</u>	<u>Expenditures/ Encumbrances</u>	<u>Balance</u>
4. CD Block Grant Funds			
Relocation Grant	\$ 222,700	\$ 66,456	\$156,244
Rehab Grant	37,800		39,800
	<u>\$ 260,500</u>	<u>66,456</u>	<u>194,044</u>
Total Grants in Aid	\$1,960,085	\$1,744,198	\$218,887
Sec 312 Federal Rehab Loans 1079 loans		\$15,322,850	

In the seven designated FACE areas, a total of 316 relocation moving payments and 244 rehousing payments have been made. Sec. 115 Grants, for low income households, were arranged for 359 cases amounting to \$871,248.

During the same period of time, Sec 312 loans were approved for 1077 cases amounting to \$15,322,850. (Note: Sec 312 Rehab loans are not budgeted. Loan funds are obligated upon HUD approval).

The allocating of Sec 312 funds by the Federal government has been very irregular necessitating many revisions to a scheduled completion date of the program.

Under the RAP, the supply of loan money can be monitored and controlled locally which will eliminate the frustration of owners and contractors waiting an indeterminate period of time to commence work.

As of June 30, 1976, 90% of the buildings in areas 1-7 were in Satisfactory Code Compliance (SCC); there are 133 cases in litigation (awaiting court action or lifetime moratorium) which cases are considered out of the work load until resolved.

Of the total budgeted costs \$1.65 for public improvements (street lights, street tress, street reconstruction etc.), included in the 6.5 million for administration and operating cost, about \$1.81 million worth of construction, or over 100% of the programmed (budgeted) work, was in place as of June 30, 1974. The City's local (budgeted) contribution is 78.5% (almost \$1.3 million) of the Public Improvement portion of the budget, with the Federal Government financing the balance (\$355,325).

An evaluation of rehabilitation costs (through June 30, 1976) in the currently active three (3) FACE areas reveal that average costs for rehabilitation have varied from about \$2,500 per dwelling unit for those privately financed to slightly over \$10,000 per unit for those financed with Federal funds. The average cost per dwelling unit was lowest in Alamo Square for those privately financed and highest in Bernal Heights for those Federally funded. In respect to individual building rehabilitation cost as compared to cost per dwelling unit, Bernal Heights has the lowest cost for both privately funded and Federally funded.

The rehabilitation loans for structures in the seven FACE areas totals over \$15.0 million. In addition, there have been improvements above code which, in regard to areas 5-7 for example, have amounted to over \$1.5 million

over the past fiscal year.

As of June 1976, there are approximately 100 applications on hand/in process, with a value/cost of over 2.7 million including an estimated inflationary cost to compensate for "age" of bids (due to lack of loan funds.) Sec. 312 funds allocated in FY 1975-76 amounted to \$1.2 million - Dec. '75, \$130,000; May '76, \$1,076,000. Current estimates indicate that allocated funds will be exhausted in September 1976. An additional \$1.4 million will be required to satisfy the remaining loan applications on file.

STATUS OF BUILDINGS IN ORIGINAL FOUR FACE AREAS (CLOSED)

(01) Arguello Park; (02) Buena Vista; (03) Glen Park; (04) Great Highway
as of June 30, 1976

Category	Total	%	Resid.	Non Resid.	Mixed	DUs Total	%
a) Total Buildings	2,988	100.0	2,885	32	71	5,734	100.0
b) Inspections Completed	2,986	99.9	2,883	32	71	4,731	99.9
c) Found Code Violations	2,596	86.9	2,551	21	64	5,155	89.9
d) Found Standard	390	13.0	372	11	7	576	10.0
e) Rehabilitated	2,498	83.6	2,421	18	59	5,022	87.5
f) Demolished	59	1.9	51	4	4	81	1.4
g) Total SCC'd	2,947	98.6	2,844	33	70	5,679	99.4

STATUS OF BUILDINGS IN (CURRENT ACTIVE THREE FACE AREAS)

(05) Alamo Square (06) Bernal Heights; (07) Duboce Triangle
as of June 30, 1976

Category	Total	%	Resid.	Non Resid.	Mixed	DUs Total	%
a) Total Buildings	1,604*	100.0	1,506	27	71	4,564*	100
b) Inspections Completed	1,604	100.0	1,506	27	71	4,564	100
c) Found Code Violations	1,567	97.0	1,474	23	70	4,517	98.9
d) Found Standard	37	2.3	32	4	1	47	1.0
e) Rehabilitated	1,109	69.1	1,052	16	41	3,152	69.1
f) Demolished	29	1.8	25	2	2	48	1.0
g) Total SCC'd	1,175	73.2	1,109	22	44	3,247	71.1

Of the residential structures in Areas 5-7 rehabilitated to code requirements through June 30, 1976, 40% of the buildings have been privately funded for renovation. Making up 17% of the Total dollars expended (both private & Federal loan and grant funds) for renovation of all residential structures.

*Change in number of buildings is the result of a general audit as of 6/30/76.

PUBLIC IMPROVEMENTS

Part of the City's contribution to the enhancement of the FACE Neighborhoods is in the form of various public improvements, such as street lighting, street trees and street paving, which it installs in the areas. Public utilities assist area beautification by undergrounding overhead wires on key street in the areas.

PUBLIC IMPROVEMENTS IN AREAS 1-4 (Thru June 30, 1976)

Public Improvement	Number	Lineal Feet *	Initial Estimated Cost (\$Thous)	
Streets	-	5280	\$408.0	\$316.1 100
Curbs & Gutters	-	7920	28.0	22.8 100
Sidewalks	-	7920	31.0	30.6 100
Traffic Lights	13	-	57.0	17.2 100
Street Lights	152	-	217.0	85.2 100
Fire & Police Communications	5	-	0	4.0 100
Street Trees	965	-	111.0	73.7 100
Street Resurfacing	-	547,318*	51.8	51.9 100
Other	-	-	221.0	187.8 100
Total	-	-	\$1,124.8	\$789.3 100

* Square feet for street resurfacing

STATUS - PUBLIC IMPROVEMENTS* (In Thous of Dollars) June 1976

FACE Area (a)	Construction Current Est'd Cost (b)	In- Place (c)	Engr & Insp Costs (d)	Ttl. Constr & Engr/Insp Costs (Cols(c)+(d)) (e)	Street Resurf. Costs* (f)	Total All Costs (Cols(e)+(f)) (g)	% Com- plete (h)
(01)Arguello Pk.	\$ 71.0	\$ 70.6	\$ 14.1	\$ 84.7	\$ 16.7	\$ 101.4	
(02)Buena Vista Hts	81.0	80.4	16.2	96.6	3.0	99.6	
(03)Glen Park	556.0	553.2	101.1	654.3	10.3	664.6	
(04)Great Highway	32.0	32.2	6.4	38.6	21.9	60.5	
Total((01)-(04))	740.0	736.4	137.8	874.2	51.9	926.1	
(05)Alamo Square	131.0	130.5	25.8	156.3	1.3	157.6	
(06)Bernal Heights	265.0	265.3	51.0	316.3	1.5	317.8	
(07)Duboce Triangle	327.0	326.2	64.1	390.3	3.2	393.5	
Total ((05)-(07))	723.0	722.0	140.9	862.9	6.0	868.9	
((01) - (07))	\$1,463.0	\$1,458.4	\$278.7	\$1,737.1	\$ 57.9	\$1,796.0	

*Excludes following tree planting in areas 5-7 by Force account:

Area	No. of trees planted(approx)	\$'s Available	\$'s expended	Remainder unexpended*
(05)Alamo Square	89	-	-	-
(06)Bernal Hts.	79	-	-	-
(07)Duboce Triangle	94	-	-	-
Total (Areas 5-7)	262	\$23,100	\$22,588.28	\$511.72

**Project is 100% complete per Bureau of Street Cleaning & Tree Planting memo of February 13, 1975.

COST OF REHABILITATION OF PROPERTIES (in \$ Thous)
(Excluding Improvements Above Code)

To June 30, 1976	Total	Residential	Non-residential	Mixed
FACE Areas				
Areas 1-4	\$5,226,300	\$5,011,869	\$21,385	\$193,046
5-7	\$10,318,127	\$9,890,171	\$26,894	\$401,062
Total 1-7	\$15,544,427	\$14,902,040	\$48,279	\$594,108

COST OF REHABILITATION OF AREAS 5-7 PROPERTIES
by Category (in \$ Thous)

To June 30, 1976	Category	Total	Residential	Non-Residential	Mixed
FACE Areas					
5-7	Code Enforcement Improvement above code	\$10,318.1	\$9,890.1	\$26.9	\$401.1
		\$ 228.4	\$ 200.1	-	\$ 28.3
	Total	\$10,546.5	\$10,090.2	\$26.9	\$429.4

CODE COMPLIANCE COST

Cumulative thru June 30, 1976

FEDERAL FUNDED

	Code Compliance Amount	Dwelling Units	Buildings
Alamo Square	\$3,086,551	667	121
Bernal Heights	1,766,550	247	169
Duboce Triangle	2,743,923	526	168
Total 5-7	\$7,597,024	1440	458

PRIVATE FUNDED

Alamo Square	\$ 612,368	549	127
Bernal Heights	519,962	398	290
Duboce Triangle	1,088,161	742	235
Total 5-7	\$2,220,491	1689	652

CODE COMPLIANCE COST

Areas 5-7
July 1, 1975 - June 30, 1976

FEDERAL

Average Cost per Dwelling Unit

Alamo Square	\$146,933/19 = \$7,733
Bernal Heights	\$298,304/36 = 8,286
Duboce Triangle	\$446,302/66 = 6,762

Average Cost per Building

Alamo Square	\$146,933/9 = \$16,325
Bernal Heights	\$298,304/19 = 15,700
Duboce Triangle	\$446,302/29 = 15,389

PRIVATE

Average Cost per Dwelling Unit

Alamo Square	\$170,900/77 = \$2,219
Bernal Heights	\$ 57,715/24 = 2,404
Duboce Triangle	\$338,940/157 = 2,158

Average Cost per Building

Alamo Square	\$170,900/19 = \$8,994
Bernal Heights	\$ 57,715/16 = 3,607
Duboce Triangle	\$338,940/45 = 7,532

REQUESTS FOR RELOCATION
(Sent to CRS)
All FACE Areas
(by Number of Cases)

FACE Area	No. of Requests	Rehabilitation	Reasons for Relocations		
			Number of cases		Other
			Demolition	Rent Increase	
01 Arguello Park	12	12	0	0	0
02 Buena Vista Hghts.	9	9	0	0	0
03 Glen Park	4	2	2	0	0
04 Great Highway	11	8	3	0	0
Total (01-04)	36	31	5	0	0
05 Alamo Square	165	122	9	5	29
06 Bernal Heights	83	82	0	1	0
07 Duboce Triangle	85	78	0	1	6
Total (05-07)	333	282	9	7	35
Total (01-07)	369	313	14	7	35

RELOCATIONS THRU JUNE 30, 1976
(as Reported by Central Relocation Services)

	Total Cases	Families	Individuals	Business
1. Net estimated workload in original applications	547	187	357	3
2. Total in workload to 6/30/75	322	183	136	3
3. Total removal from workload thru June 30, 1976	284	159	122	3
4. In workload, end of period (June 30, 1976)	38	24	14	0

FEDERALLY ASSISTED CODE ENFORCEMENT (FACE) PROGRAM AND REHABILITATION ASSISTANCE PROGRAM
H.U.O. APPROVED FUNDING SOURCES CATEGORICAL GRANT AND COMMUNITY DEVELOPMENT BLOCK GRANT

EXPLANATION AND BUDGET NUMBER	TIME PERIOD COVERED	CATEGORICAL GRANT FUNCTIONS		REHABILITATION SECTION 115	TOTAL FUNDING PROVIDED
		CODE ENFORCEMENT SECTION 117	RELOCATION SECTION 114		
Basic Contract-Budget #1	9-30-66 - 6-30-69	2,560,700	86,000	11,500	
Amendment #1 - Budget #2	7-1-67 - 6-30-68			22,250	
Amendment #2 - Budget #3	7-1-68 - 6-30-69	424,500	148,600	24,440	
Amendment #3 - Budget #4	7-1-69 - 6-30-70	972,500	86,700	11,420	
(Modified area boundaries) Budget #4A	7-1-69 - 6-30-70				
Amendment #4 - Budget #5	7-1-70 - 3-30-71	1,600,000		20,000	
Amendment #5 - Budget #6	7-1-71 - 3-30-73	169,000	655,600		
Amendment #6 - Budget #7	to 3-30-73				
(Provided for changes among line items funding - Budget #8	to 6-30-73				
Amendment #7 - Budget #8	7-1-73 - 6-30-73 (1)	NO FEDERAL GRANT FUNDS			
(Provide for a grant equal to 2/3 of program cost (actual) or \$6,530,000 whichever is less-set ceiling on relocation at \$863,500.					
Letter A - Budget #8	Extended project to				
HUD release of 10% hold back	6-30-74 (1)				
Funds \$243,463	7-1-73 - 6-30-74				
Amendment #8 - Budget #9	7-1-74 - 1-31-75	420,000			
Amendment #9 - Budget #10	2-1-75 - 6-30-75 (2)	420,000			
TOTAL CATEGORICAL GRANT FUNDING		6,616,700	803,500	896,100	8,316,300
COMMUNITY DEVELOPMENT - BLOCK GRANT					
Budget #11	2-1-75 to 12-31-75	414,000	176,800	33,600	
Addendum #6 - Budget #11	Extension to 1-31-76	39,200			
Budget #12	2-1-76 to 6-30-76	284,300	45,900	4,800	
Resolution #462-76	Extended FACE to 9-1-76				
Total Block Grant Funding		734,500	222,700	37,800	925,000
Total FACE Program Funding		7,351,200	1,026,200	933,900	9,311,100
(1)-For period 7-1-73 to 6-30-73- no federal funding available-city provided funding of \$645,337 and with 10% hold back-of 243,463 \$874,303 was available for 73/74. Total expenditures amounted to 750,233 with \$358,958 being expenses to FACE and 391,275 being absorbed by the City.					
(2)-This amount was deducted from the City and Counties entitlement under the Community Development Block Grant for 1975.					

FACE Areas 1-7 Rehabilitation Loans & Grants
(In Thous. of Dollars)
Cumulative thru Fiscal Years 1974, 1975 & 1976

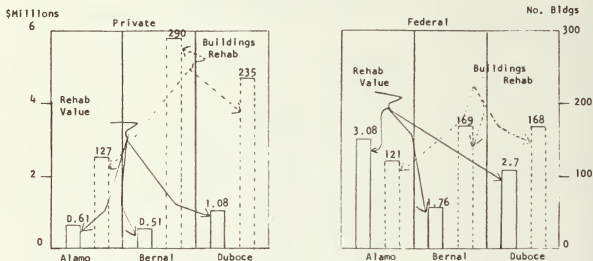
Service (Section) Loans (312) Grants (115)	Thru 6/30/74		Thru 6/30/75		Thru 6/30/76	
	Number	Amount	Number	Amount	Number	Amount
	958	\$12,688.7	1,028	\$14,009.5	1,065*	\$150,791,100*
	345	833.4	355	859.9	358	871,435

Loans & Grants by Closed & Active FACE Areas
Cumulative thru June 30, 1976

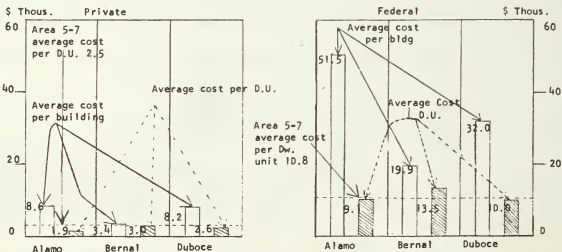
FACE Areas	Total			
	Loan	Grants	Loans	Grants
	Number	Amount	Number	Amount
Closed: Areas 1-4	842	\$4,598,952	613	\$4,523,050
Active: Areas 5-7	580	\$10,974,183	452*	\$10,556,050*
			128	\$418,132

*Figures differ from that of Monthly Progress Report as a result of adjustments and audit made.

REHABILITATION-CODE COMPLIANCE
PRIVATELY/FEDERALLY FUNDED
Thru June 30, 1976



AVERAGE COST BUILDING & DWELLING UNIT
PRIVATE AND FEDERALLY FUNDED
Thru June 30, 1976



DIVISION OF APARTMENT AND HOTEL INSPECTION
SYSTEMATIC CODE ENFORCEMENT PROGRAM

Division of Apartment and Hotel Inspections is directly responsible for the Systematic Housing Code Enforcement program for apartment houses and hotels. In concert with the philosophy of ever-increasing pressure on multi-family building owners (buildings containing three (3) or more dwelling units or more than six guest rooms) to comply with City codes, there is the possibility of reducing the number of substandard buildings and at the same time prolong the useful life of older multi-family buildings to provide reasonable life safety to the tenants. One action has been to notify all those having any financial interest in a property, i.e., the owner, the mortgage holder, the lenders of any outstanding loans etc. of pending abatement hearings by the Director about the property and also advising them that the permit of occupancy has been revoked due to non-compliance. Since most mortgages require that there be a valid permit of occupancy for the property at all times, this brings very considerable pressure upon owners to comply.

Another assist has been the result of State Assembly Bill 475 enacted in 1974 and introduced by Assemblyman Willie Brown. This law permits the enforcement official (the Superintendent) to notify the Franchise Tax Board of any rental residential property wherein the owner has failed to abate the code violations within six months after being advised of same. If not appealed or if the appeal is not sustained, the Franchise Tax Board then prohibits any tax exemptions from State Income Taxes that the owner normally takes for his property. This has had a very powerful effect upon owners since in many cases the only profit they can see is that provided by the tax deductions on their income property. In the current fiscal year, 1495 AB 475 Notice of Violations were mailed to property owners by DAHI. So far, 527 cases have been heard by AAB, 253 decisions have been granted and 619 Non-Compliance Notices and 54 Compliance Notices have been sent to the Franchise Tax Board. (See AB 475 Table 10).

Finally, a very aggressive program of court hearings has been pursued by the City Attorney for those cases condemned by the Director of Public Works in which the owner has failed to abate the violations. The rate of compliance actively resulting from the actions of the City Attorney's office in the past year is truly astounding and full credit must be given to that office.

In the current fiscal year, the Finance Committee approved \$22,000 for a tracking system and some key services programs for Systematic Code Enforcement. The Superintendent has been manually handling this system for several years.

The Division completely switched over to verticle filing system and gained a space of at least 80 sq. ft. Due to budget cuts one of it's Residential Environmental Inspector positions was lost.

ABATEMENT SECTION
PROPERTY CONSERVATION DIVISION

Alvin Cole, Chief Building Inspector of Abatement Section retired in April, 1976. Robert Dunne, Chief Building Inspector from Bureau of Architecture was transferred to head the Abatement Section of the Bureau of Building Inspection.

Computer printout was switched over from block & lot basis to census tract. Consequently, the City is divided into eleven (11) districts, on the basis of census tract, in an attempt to reduce the workload of Building Inspectors as compared to the previous distribution of six (6) districts. Workload of each district has been reduced from 600 cases to 300 cases which is still considered a heavy workload per inspector. Filing system was also switched over from general to area filing for each Building Inspector to have a better control.

Extensive clerical activity of the Abatement Section consists of AB 475 Notices of Violation to be mailed to owners and Compliance Notices to FTB, Abatement Appeal Board hearings, typing of Agenda, notify owners, cases set up for Director's and City Attorney's action, stripping of files, recording of Condemnation order with the Recorder's office and a number of counter inquiries.

Procedural changes have been made with the result that the system is running at a smooth pace with the backlog being reduced significantly, however the number of clerical employees has been reduced from 6 to 3.5 primarily due to cutback in the CETA program.

ABATEMENT APPEAL BOARD

Abatement Appeal Board was set up under Section 203.1 of Building Code. It consists of five (5) members appointed by Chief Administrative Officer for a term of four (4) years. During the fiscal year 1975-76, 170 appeals were filed and 128 decisions were rendered by the Board. (Refer Table II).

ABATEMENT ACTIVITIES	1972	1973	1974	1975	1976
Cases on hand	2243	2787	3318	3522	3469
Cases logged in	982	1031	619	530	491*
Initial inspections	601	640	435	339	235*
Reports mailed	460	526	420	319	361*
Cases sent to Director's hearings	640	549	736	314	218*
Abatement Appeals Board					
Filed	383	282	209	170	177
Decisions Rendered	386	333	166	163	128
Cases referred to City Attorney	229	414	185	223	175
Complaints closed	438	403	415	409	415
Complaints unjustified & closed	121	0	11	0	6
Buildings restored	346	323	334	358	340
Buildings demolished	71	80	70	51	69
Cases on hand end of fiscal year	2787	3318	3522	3469	3545
*Due to the flood of inquiries generated through AB 475 Notices of Violation and subsequent Notice of Non-Compliance has reduced production activity at least for 1975-76.					

The City Attorney, on a work order basis, has provided legal services to FACE equivalent to one full time Deputy City Attorney and a legal stenographer. Also, but not on a work order basis, legal services are provided for other Abatement cases (in addition to FACE). In cases upheld by the Director and the AAB, and in which the owner does not comply with their decision, they are referred to the City Attorney's office for legal action.

ABATEMENT CASES IN OFFICE OF
CITY ATTORNEY
FY 75-76

	Cases Filed			Cases Terminated			Remaining Workload			
	Total	FACE	RAP	Total	FACE	RAP	Total	FACE	RAP	%
Jun '73	414	114		203	43		714	161		22
Jun '74	185	25		175	36		734	150		20
Jun '75	207	36		184	40		705	145		21
Jun '76	187*	22	3	190	31	0	807	167	13	20

*Cases: Rehabilitation 117
 Demolished 46
 Unjustified/closed 24

BUREAU OF BUILDING INSPECTION
REPAIR & DEMOLITION FUND
STATEMENT OF EXPENDITURE & ENCUMBERED
JULY 1, 1975 TO JUNE 30th 1976

Appropriated	7/1/75 <u>\$200,997.66</u>	6/30/76 <u>\$200,997.66</u>
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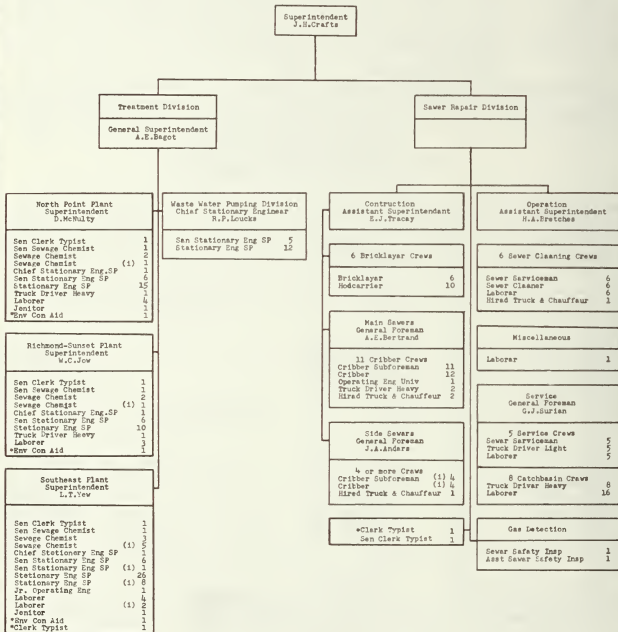
Reserve	100,000.00	100,000.00
Allotted	100,997.66	100,997.66

Expended	41,605.70	45,181.12
Encumbered	13,831.00	11,425.00
Unencumbered	<u>45,560.96</u>	<u>44,391.54</u>
Total	<u>100,997.66</u>	<u>100,997.66</u>

Balance July 1, 1975	41,605.70	
4052-54 17th St	4,950.00	(Demolished)
424-28 Fillmore St	877.00	(Demolished)
152 Elsie St	1,200.00	(Demolished)
Advertising	7.60	
	<u>48,640.30</u>	

Reimbursements	- 3,459.18
Balance June 30th 1976	<u>45,181.12</u>

ORGANIZATION CHART
BUREAU OF WATER POLLUTION CONTROL
DEPARTMENT OF PUBLIC WORKS
JUNE 30, 1976



(1) Interdepartmental

* CSEA Employees

BUREAU OF WATER POLLUTION CONTROL

J. H. Crafts, Superintendent

The Bureau of Water Pollution Control maintains 900 miles of sewers and operates 16 pumping stations, one storm water overflow treatment plant, and three treatment plants.. To perform these tasks the Bureau is divided into three divisions: Sewer Repair, Wastewater Pumping and Treatment.

During the year the Bureau had 256 budgeted employees, including 4 hired truck drivers with their vehicles and 7 environmental conservation aids.

The Bureau spent \$8,153,495 in budgeted funds as distributed in Chart I. Budgeting for the City's industrial waste control and sewer service charge programs was transferred to the Bureau of Engineering of the Department effective July 1, 1974. The Treatment Division continued to provide laboratory support services for the industrial waste program. In addition, the Sewer Repair Division spent \$275,014 on side sewers paid for by property owners and \$8,890 on other work by work orders from other departments.

Total rainfall for the year was 7.23 in. compared with average annual rainfall of 20.57 in. Although the rainfall was less than the average annual rainfall, there was no significant effect on total wastewater pumped and treated. In addition, there were no extraordinary storm caused sewer failures during the year.

SEWER REPAIR DIVISION

The Division has 109 budgeted employees on main sewer work, eight non-budgeted employees (12 are authorized) for side sewer installation and repair paid for by property owners, and 4 hired truck drivers to assist in both activities.

There were 2 positions unfunded in 1974-75 and 6 positions unfunded in 1975-76.

Sewer Repair activities ceased during the City craft workers strike from March 31, 1976 to May 10, 1976. Barricades and lights were serviced by supervisory personnel and in order to protect public safety, outside contractors were engaged to perform several emergency main sewer repairs at a cost of \$25,504.

The combination of the back log of work created by the strike, compounded by previous unfunded positions, a higher than usual number of retirements for the year and the continuing policy of the City not filling positions vacated has seriously affected the Bureau's productivity at all levels. It is especially noticeable with operations since it is currently necessary to work with one less service crew and three less educator crews. This results in great inconvenience to the public by delaying response to complaints and other services.

Catchbasin cleaning decreased 24% from 9,390 in 1974-75 to 7,126 in 1975-76.

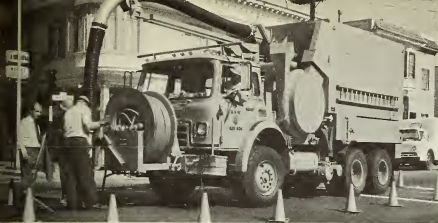
This is attributed to the reduced number of eductor crews and not working Sundays in downtown locations, due to lack of funds, which has been the practice in previous years.

The new vacuum-hydraulic cleaning machine above was approved in the 1974-75 budget and recently placed in operation. This machine consists of a truck with a mounted vacuum catchbasin cleaner and a high pressure water jet rodder combination unit. The high pressure water jet rodder cleans and flushes small diameter sewers and the vacuum picks up the debris simultaneously. The vacuum catchbasin cleaners picks up sand, stones, leaves, bottles, sludge and other similar materials. Several minor mechanical problems have occurred causing considerable down time with this equipment but from observance of its operation this machine will clean main sewers and catchbasins in less time and with less expense than our current methods. The crew will consist of a driver, a sewer serviceman and a laborer.

Work units or groups are shown in the organization chart. Details or unit functions, methods of operations, and equipment used are the same as described in the 1965-66 Annual Report. While many of the groups frequently assist each other, the material trucks, digging unit and compression unit are almost entirely subsidiary as their principal function is to assist other units.

The Division received 4,725 telephone complaints during the year. The activities of the work units are summarized in chart II. The work done by the service units is shown below.

SIDE SEWER	No. Calls	Percent		
Relieved clogged side sewer	1,693	15.8		
Unable to relieve side sewer	488	4.6		
Found side sewer broken	149	1.4		
Found trouble inside property	107	1.0		
Determine if side sewer exists	1	0.0		
Examine for crew on job	22	2,460	0.2	23.0
MAIN SEWER				
Investigation to find cause of problem	773	7.2		
Relieved clogged main sewer	48	0.4		
Unable to relieve main sewer	52	0.5		
Found main sewer broken	126	1.3		
Examine for crew on job	48	1,047	9.8	9.8
CATCHBASINS AND MANHOLES				
Remove obstruction	290	2.7		
Replace cover	121	1.2		
Silence noisy cover	100	0.9		
Catchbasins & manholes found broken	34	0.3		
Unable to relieve catchbasin	63	608	0.6	5.7
DEPRESSIONS				
Investigation to find cause	953	8.9		
Not caused by sewers	452	4.2		
Caused by sewers	155	1,560	1.4	14.5



Above: Vacuum hydraulic cleaning machine works on Harrison Street.



Above: Backhoe loader uncovers damaged sewer on Bryant Street.

MISCELLANEOUS

Service lights & barricades	4,079	38.1	
Investigate seepage & leaks	77	0.7	
Clean pump station	158	1.5	
Deliver materials to job	345	3.2	
Not classified	152	1.4	
Remove deposits from sidewalk	3	0.0	
Mosquitos	227	5,041	2.1 47.0
Total	10,716		100.0

There were not any unusual storms however; major sewer failures occurred on Post Street between Lyon and Presidio on March 10, 1976 when the street caved in and it was necessary for the Division to replace 21' of 18" main sewer and 25' of 6" side sewer. A major failure also occurred at Sacramento and Walnut and it was necessary to engage a private contractor to perform the repairs. Two force main breaks occurred, one at Napoleon and Selby and the other in 4th Street between Harrison & Bryant Streets.

The Loader/Backhoe shown above is equipped with an extendahoe giving a digging depth of 14' retracted and 18' extended. When excavating for both main sewer and side sewer crews the backhoe loads directly into a dump truck that can immediately haul the spoil away. This backhoe has been in operation since 1973 and has increased productivity of the cribbing operations.

WASTEWATER PUMPING DIVISION

The Wastewater Pumping Division operates and services one storm water overflow treatment plant and 16 wastewater pumping stations and has 17 budgeted employees. In addition, a half time electrician is provided by the Bureau of Building Repair on work order. The Division expenditures and costs are shown in Chart III.

The Baker Street Dissolved Air Flotation Facility, which is designed to treat 24 million gallons per day of sanitary waste and storm water overflow from the surrounding drainage district, was operated during periods of rain as a primary plant with post chlorination.

Fifteen pump stations are designed to handle normal dry weather sanitary flow plus the runoff from a rainfall of 0.02 inch per hour. The Tennessee

Street station, however, has no bypass and must handle not only the sanitary flow but also all storm runoff from its tributary area. The Lake Merced station is equipped with variable speed pumps whose speed is matched to the rate of flow by a combination of electrical controls and pneumatic sump level sensors. The other stations are equipped with fixed speed pumps operated intermittently and in varying combinations to match the incoming flow. Pump operation is controlled by switches which function at fixed sump levels. At 10 stations these switches are activated by floats and at two stations by pneumatic level sensors. Automatic influent throttling gates at the Drumm Street, Fourth Street North, Lake Merced, Marina, Sea Cliff No. 2 and Yosemite stations permit them to operate at full capacity during storms.

The stations are serviced by four two-men roving crews on a 24-hour per day, seven day week schedule. In addition, the Sea Cliff No. 2, the Marina, and the Drumm Street stations each are tended by a full-time man, five days a week. The first two stations require this attention because of their age and the critical nature of the areas they serve. The Drumm Street station has no emergency overflow and it is necessary to start and service the emergency diesel generator set every four days in order to check its reliability. A power breakdown here could cause flooding in major downtown buildings served by this facility.

Major maintenance work at the stations include the following:

Drumm Street	Installed new 24" sewage head gate. Repaired #2 sewage pump. Complete overhaul of sand pump.
Fourth Street North	Repaired volutes and rebuilt sewage pumps #1 and #2.
Fulton Street	Replaced part of sewage effluent line, installed new dresser coupling.
Hyde Street	Removed all machinery and accessories from station.
Lake Merced	#2 sewage pump installed new pedestal and new impellor. New bearings and new shaft sleeve. #3 sewage pump. Installed new shaft to motor drive #2 sewage pump.
Marina Boulevard	Installed new ventilating fan and fan housing. #1 pump new bearings sleeve and wearing rings. #4 new bearing sleeve and wearing rings.
Mariposa Street	Installed new sewage pump #2. Installed new 6" check valve #2. Rebuilt ventilating fan and motor.
Sea Cliff #2	Replaced water line to station
Vicente Street	Replaced 2 8" valves, 2 6" valves and 2 6" check check valves on #1 and #2 sewage pumps.
Yosemite Avenue	Installed new sewage pump #3. #1 sewage pump, complete overhaul. #1 sewage pump completely rebuilt 12" check valve. #2 sewage pump completely rebuilt 12" check valve.

TREATMENT DIVISION

The Treatment Division operates and maintains the North Point, Richmond-Sunset, and Southeast treatment plants, and monitors water quality in the bay and ocean.

The Division has 105 budgeted and 17 interdepartmental employees working at the three plants. They are supplemented by two electricians and two painters budgeted by the Bureau of Building Repair, two gardeners provided by work order from the Bureau of Street Cleaning and Tree Planting, four machinists provided by work order from the Purchasing Department, and one half-time electrician provided by work order from the Bureau of Building Repair.

Treatment activity is shown in Chart IV. Cost of operation was \$5.43 per capita for the year based on a tributary population of 950,000. This number is an estimate derived from the City Planning Department's projections of peak day and night population and agrees with similar figures developed by the Bureau of Engineering.

Both the North Point and Southeast plants were operated as advanced primary plants using ferric chloride and anionic polymer to treat the wastewaters.

The following major maintenance work was done:

NORTH POINT PLANT

Lift Pumps: Overhauled pump and motor of "C" main lift pump. Overhauled armature and motor of #2 D.C. generator set.

Samplers: Renewed piping to effluent automatic sampler.

Sedimentation: Rebuilt drive mechanisms for sedimentation tanks #1, 2 and 4. Replaced disconnect switches and starter controls for sedimentation tanks #1, 4 and 6.

Ventilation System: Overhauled #3 exhaust fan in Administration Building.

RICHMOND-SUNSET PLANT

Boilers: Overhauled all boilers, installed new burner tips and brick work in fire box. Replaced electrical controls for #2 boiler.

Digestion: Overhauled #1 and #2 spencer gas boosters rebuilt north Lammert gas compressor. Replaced electrical switches and starters in Digester Control Room.

Grit System: Overhauled north and south grit classifiers. Installed splash guards over rotary grit conveyor screws. Completely overhauled #1, 4, 5 and 6 grit pumps.

Lift Station: Overhauled #2 and #3 main lift pumps and motors.

Samplers: Rebuilt influent and effluent automatic samplers.

Sedimentation: Overhauled #1 and #2 raw sludge pumps. Replaced drive chain and sprockets in #1 sedimentation tank. Replaced electrical switches and starters in sedimentation building panels.

Vacuum Filtration: Overhauled north vacuum filter. Overhauled vari drive unit south vacuum filter.

Ventilation: Overhauled sludge control exhaust fan and motor.

Water System: Replaced water lines in Sedimentation Building.

SOUTHEAST PLANT

Bar Racks: Renewed structural sheetmetal on east and west bar racks.

Digestion: Renewed Group II digester sludge recirculating pump.

Elutriation: Renewed chain, flights, wearing shoes, rails, sprockets, in elutriation tanks #1 through 8".

Lift Station: Overhauled #1 and #2 lift pumps and motors.

Sedimentation: Renewed wearing shoes, hangers, and chain as needed in sedimentation tanks #1 and #2.

Sludge Thickening: Installed new shafts and bearings in west receiving and thickening tank.

Vacuum Filtration: Renewed shaft and frame to filtrate pump #4.

New installations include the following items:

NORTH POINT PLANT

Installed an exhaust air deodorizing system for the Headwork Building.
Built ladder and safety platform to service chlorine solution valves at station #3.

Installed two evaporators, one sulfunatur, two ejector pumps and new gas and liquid piping system for sulfur dioxide system.

Installed new chloride diffuser, two chlorinators, two evaporators, two ejector pumps, two water supply pumps for enlarged chlorinator system.

RICHMOND-SUNSET PLANT

Installed showers and washbasins in modified locker room of Administration Building.

Installed new communications and alarm system throughout plant.

SOUTHEAST PLANT

Installed hot wells for condensate return to boilers.

Installed air blowers to filter sludge day tank.

Installed digester supernatant overflow structure covers.

Installed bar rack at grit tank inlet structure.

Installed deaerating heater for boiler feed water.

Installed chemical tank and pump for boiler water treatment.

Installed lube system filter cake conveyor.

Installed influent flow meters at inlet end of sedimentation tanks.

Installed chlorine tank car spur track.

Installed two chlorinators evaporators and ejectors.

Special laboratory projects completed or in progress were as follows:

COMPLETED:

Analysis of sewage and industrial wastes for concentrations of various chemicals of interest to the City Industrial Waste Program.

CONTINUING:

Optimization of chemical dosages used for wastewater treatment.

Investigation of coagulant systems procedures and materials for vacuum filtration.

Pesticide and nutrient analysis of plant effluents.

Sanitary surveys of Bay and shoreline waters.

A laboratory quality assurance program following the State Health Department and E. P. A. guidelines.

Chart I

Bureau of Water Pollution Control
Budget Expenditures
1975-76

	Wastewater Treatment	Wastewater Pumping	Sewer Repair
PERSONAL SERVICES			
Permanent Salaries*	\$ 286,014		\$ 193,735
Overtime*	360		3,537
Holidays			1,958
Wages (per diem)	1,735,300	\$351,473	1,556,018
Fringe Benefits	452,951	76,639	383,004
Interdepartmental	401,374		
Sub-Total	2,875,999	428,112	2,138,252
CONTRACTUAL SERVICES			
Power and Gas**	178,177	34,968	
Plant Equipment	460,576	36,330	
Field Equipment	5,588	1,762	67,121
Sludge Disposal	174,664		
Quality Monitoring	74,681		
Landscape Maintenance	35,111		
Miscellaneous Services	8,470	2,706	65,043
Hired Trucks			69,734
Sub-Total	937,267	75,766	201,898
MATERIALS AND SUPPLIES			
Replacement Parts	224,572	12,146	
Field	929		79,333
Plant	39,357	7,710	
Fuel and Lubricants	7,456	2,227	15,865
Treatment Chemicals	1,066,812	1,051	
Sub-Total	1,339,126	23,134	95,198
EQUIPMENT			
		10,019	29,724
Total	\$5,152,392	\$537,031	\$2,464,072

* Monthly Employees

**In Public Utilities Commission Budget

Chart II

Sewer Repair Division
Work and Cost Distribution
1975-76

Work Unit	Work Done	% of Time	Total Cost (a)	Unit Cost (1)
1 Sewer cleaning	444,039 Lineal ft cleaned Other work	100.0 0.0	\$255,163 0	\$255,163 .57
2 Eductor operations	7,126 Catchbasins cleaned Other work	52.4 47.6	100,273 91,106	14.07 191,379
3 Services	4,725 Complaints serviced Other Work	40.9 59.1	104,464 150,441	22.10 254,905
4 Main pipe sewers	2,960 Lineal ft repaired at 268 locations	100.0		424,618 143.45
5 Brickwork	5,468 Lineal ft brick sewer repaired 1 Catchbasins constructed 0 Manholes constructed 652 Catchbasins repaired 288 Manholes repaired	65.2 .6 .0 21.6 12.6	108,411 1,025 0 35,701 21,017	19.83 1,025.00 0.00 54.76 72.96
6 Gas detection	695 Manholes tested Other work	7.3 92.7	2,046 25,861	2.94 27,907
7 Miscellaneous				103,806
Total budgeted work				1,423,932
8 Work orders (b)				8,890
9 Side sewers (c)	112 Installations 131 Repairs 4 Connections		150,342 123,881 791	1,342.34 945.66 197.75
Grand Total				\$1,707,836

(a) Costs do not include supervision.

(b) Repairs for other bureau or departments.

(c) Paid for by property owners.

Chart III

Waste Water Pumping Stations
Expenditures and Cost Data
1975-76

Location	Drainage Area In Acres	Million Gallons Pumped	Salaries	Maintenance	Power	Materials & Supplies	Equipment	Total	Cost Per Mil Gal Pumped
General					960*			960	0.09
Drumm Street	332	2,171	86,479	8,313	4,657	4,466		103,915	47.87
Fourth Street North	138	1,673	66,642	6,406	6,022	3,442		82,512	49.32
Fourth Street South	25	48	1,912	184	302	99		2,497	52.02
Fulton Street	82	65	2,589	249	743	134		3,715	57.15
Hunters Point	90	91	3,625	348	579	187		4,739	52.08
Hyde Street**	14	-	-	-	46	-		46	-
Lake Merced	930	642	25,574	2,458	3,697	1,321		33,050	51.48
Marina	1,125	3,045	121,294	11,659	6,225	6,264		145,442	47.76
Mariposa Street	117	474	18,881	1,815	1,513	975		23,184	48.81
Palace of Fine Arts	2	21	837	80	31	43		991	47.19
Pine Lake	3	4	159	15	254	8		436	109.00
Sea Cliff #1	4	5	199	19	76	10		304	60.80
Sea Cliff #2	84	108	4,302	414	2,147	222	10,019	17,104	158.37
Tennessee Street	2	11	438	42	120	23		623	56.64
Twentieth Street	27	64	2,550	245	455	132		3,382	52.84
Vicente Street	52	72	2,868	276	624	148		3,916	54.39
Yosemite Avenue	1,277	1,967	78,354	7,532	5,070	4,046		95,002	48.30
Totals	4,290	10,461	\$416,703	\$40,055	\$33,521	\$21,520	\$10,019	\$521,818	49.88
Baker Street Storm Overflow Facility	187		\$ 5,272	\$ 1,250	\$ 1,447	\$ 1,265	-	\$ 9,234	
Total Expenditures			\$421,975	\$41,305	\$34,968	\$22,785	\$10,019	\$531,052	

*Maintenance Shop (#957) and 24th Avenue and Lake Street Gate (#3) power bills included in general costs

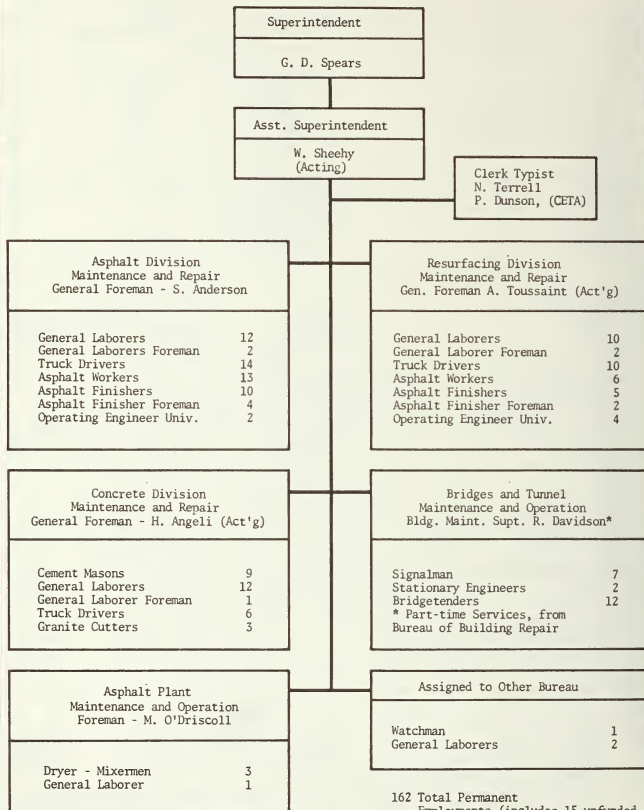
**Station Discontinued 1975-1976

Chart IV

TREATMENT PLANT OPERATION
1975-76

	North Point	Richmond Sunset	Southeast
1. Wastewater Treatment			
Flow, million gallons			
Total (a)	22,200.6	8,432.0	7,749.6
Avg day (a)	60.8	23.0	21.2
Avg day, dry weather (b)	59.2	22.2	20.8
Max day, wet weather	106.0	34.8	34.2
Max day, dry weather	67.5	23.4	31.2
Max rate, wet weather	154	64	41
Max rate, dry weather	127	43	56
Screenings, cu ft			
Total	39,127	11,470	24,937 (c)
Max day	357	125	473
Per million gallons	1.8	1.5	3.2
Grit, cu ft	30,118	42,899	
Max day	419	463	
Per million gallons	1.4	5.6	
Grit and Screening Hauling, trips	489	305	239
Chlorination, lb			
Pre (d)	584,725		247,670
Post	2,517,895	900,710	2,177,452
Total	3,102,620	900,710	2,425,122
Lb per liter	17.4	13.0	37.5
Dechlorination (e)			
Sulfur Dioxide lb	588,770		
Treatment Chemicals			
Ferric Chloride, lb	2,361,480		1,410,245
Anionic Polymer, lb	37,825		9,099
Solids Removed, M lb (dry)	31,120	9,523	7,920
2. Sludge Processing			
Sludge Solids, M lb (dry)			
To digesters		9,523	33,980 (f)
Filter cake		1,319	15,767 (g)
Digester, Gas Produced, M cu ft			
Total		71,872	280,283
Avg day		194	766
Vacuum Filtration Chemicals			
Ferric Chloride, lb		87,783	
Ferric Chloride, % filter cake		6.8	
Solid Polymer, lb			80,686
Solid Polymer, % filter cake			0.51
Filter cake hauling to parks, trips		333	
3. Power and Gas Purchased			
Power, total kwh	6,254,400	2,532,000	6,612,471
Power, avg, kwh/Mo	521,200	211,000	551,039
Natural gas, total therms	84,944	54,178	7,976
Natural gas, avg therms/Mo	7,079	4,515	665

- (a) For 366.0 days North Point; 365.6 days Richmond-Sunset; 365.4 days Southeast.
 (b) Excluding days with .01 inch or more rain and dry days following days with .05 inch or more rain.
 (c) Combined screenings and grit; discharged into a common bin.
 (d) Prechlorination for odor control as needed.
 (e) Dechlorinated 9305.6 mil gal effluent.
 (f) Includes North Point raw sludge.
 (g) On wet basis 49,896 tons hauled to sanitary fill.



162 Total Permanent
Employments (includes 15 unfunded
positions)

BUREAU OF STREET REPAIR

G. D. Spears, Superintendent

FUNCTIONS

The functions of the Bureau of Street Repair continue to be substantially as stated in previous reports:

"Routine work includes the maintenance and repair of streets and appurtenant structures such as gutters, curbs, certain sidewalk areas, center islands, retaining walls, public stairways, pedestrian underpasses and overpasses, guard rails and fences. The bureau is responsible for the maintenance and operation of three lift bridges, the Broadway Tunnel, the Army Street Circle, the Geary-Fillmore Underpass, the Geary Masonic Underpass and several pumping stations."

Work ordered by the Director of Public Works includes traffic channelization, minor street alterations, minor construction and emergency work for the protection of the City and/or the public.

Work performed for other departments or bureaus includes the repair of pavements in Municipal Railway track areas, bus and street car yards, the repaving of trenches opened by the Bureau of Water Pollution Control, the repair of certain State Highways within the City and the yards of other City institutions. The bureau also performs other services of a varied nature.

The City's charter provides that repair or reconstruction on any one job shall not exceed a cost of \$5,000. It also prohibits work on unaccepted streets, except in emergency, and on sidewalks in front of private property. Unaccepted streets are those streets that have not been properly improved and officially accepted for maintenance and repair by the City.

"Activities are further limited by state law governing the expenditures of monies from which the bureau is financed."

(Collier-Burns Highway Act of 1947, as amended and the Collier Unruh Local Transportation Development Act of 1963.)

Maintained road mileage is as follows:

County Road including Select System	843.90
State Highways (by maintenance agreements)	<u>10.32</u>
Total	<u>854.22</u>

Inasmuch as San Francisco is a combined City and County, its street and road system are one and the same.

ORGANIZATION, PERSONNEL AND OPERATIONS

The bureau's report of its functions, organization, work programs and past performances appear to be about the same as reported in previous years. Street repair and maintenance work does not vary much. Listed below are five operational changes made last fiscal year in our effort to increase over all efficiency and reduce unit costs:

1. Many personnel reassignments were made due to natural "turn over" and decreased available manpower. Several positions were filled by employees voluntarily working out of classification such as the three general foremen and other foreman positions.
2. Further reductions were made in the number and size of work crews to provide more flexibility in the utilization of our work forces.
3. Overtime work was substantially reduced due to budgetary limitations.
4. The granite curb program was drastically reduced. Except in select areas, defective granite curb is now replaced with concrete curb.
5. Our clean up crews are now better equipped and have developed additional skills in undertaking repairs to guard rails, fences, walls and steps. Previously, most of this work was put out to contract.

Lost time injuries during 1975-76 totaled 11, as opposed to 14 in 1974-75, 8 in 1973-74 and 15 in 1972-73.

RETIREMENTS

During the past year, the following employees were retired and recognition is given for their faithful services.

STEWART BLANC	Truck Driver	17 years
ALPHONSE FERRIGNO	General Laborer Foreman	34 years
ARTHUR FRANK	General Laborer Foreman	27 years
PATRICK KELLY	Asph. Finisher Foreman	32 years
TIMOTHY MCCARTHY	Asphalt Worker	18 years
MICHAEL MONAHAN	Dryer-Mixerman	29 years
EDMUND PAULSON	Operating Engineer	23 years
THOMAS SCARDINA	General Foreman	29 years
GEORGE STEVENS	Cement Mason	28 years
MICHAEL SULLIVAN	Asph. Finisher Foreman	17 years

DECEASED:

EMMETT POPE	General Laborer	15 years
-------------	-----------------	----------

SUPERVISION

The Bureau's supervisory force remained the same. Except that Mr. Gordon Spears was permanently appointed to the position of Street Repair Superintendent on December 10, 1975 and Mr. Michael O'Driscoll was permanently appointed to the position of Asphalt Plant Foreman on February 18, 1976.

Both the Asphalt Plant Foreman and the Building Maintenance Superintendent who is in charge of the Bridges, Tunnels and Underpasses now report to the Assistant Superintendent. Each General Foreman directly supervises a section of the Bureau's street repair force which is composed of three divisions. The Concrete Repair Division, the Resurfacing and Cracksealing Division and the Asphalt Repair Division.

The Civil Service Commission is now in the process of conducting examinations to establish eligible lists for the positions of Assistant Superintendent, General Foreman and Operating Engineer.

EQUIPMENT

There was no new or replacement equipment acquired during the year.

Numerous equipment breakdowns especially the asphalt heater planer and the asphalt paving machine, hampered the Bureau's street resurfacing program. The Bureau expects the replacement of the heater planer this coming year with a mechanical road planer. This planer will be pollution free and as it does not use stove oil, petroleum energy will be conserved.



Above: Street repair crewmen operate an asphalt machine on Clay Street.



Above: Power roller is put to work on Front Street.

MAJOR WORK PERFORMED

	UNIT	QUANTITY	TOTAL COST	UNIT COST
Asphalt Resurfacing- Hand Asphalt Paving (127.4 Sq.Ft. Per Ton)	Sq.Ft. Tons	70,466 553	\$ 22,923	\$.33 41.54
Asphalt Resurfacing- Machine Asphalt Paving (134.8 Sq.Ft. Per Ton)	Sq.Ft. Tons	2,151.371 16,615	356.782	.17 21.47
Asphalt Patching (161.5 Sq.Ft. per ton)	Sq.Ft. Tons	575,089 3,561	\$ 416,200	\$.72
Asphalt Paving (Cut-Out)				
Compressor Work	Sq.Ft.	43,209	31,495	.73
Asphalt Paving (87.0 Sq.Ft. per ton)	Sq.Ft. Tons	108,337 1,242	77,750	.72
Cleanup			46,613	
Concrete Curb Patching			11,841	
Concrete Curb Replacing	Lin.Ft.	21,905	191,392	8.74
Crack Sealing				
Sealing	Lin.Ft.	521,350	122,875	.236
Cleanup			41,348	.079
Total		521,350	164,223	.315
Concrete Pavement	Sq.Ft.	2,367	4,605	1.95
Sidewalks Reconstructed	Sq.Ft.	83,544	109,357	1.31
Heater Planing	Lin.Ft.	177,229	59,361	.34
Slide & Debris Cleanup			99,333	
State Highways			7,010	
Work for other Bureaus & Dept.			260,963	
Concrete Saw Work	Lin.Ft.	5,623	9,118	1.62
Patching Street Structures- Steps, Walls Etc.			41,697	
Handicap Ramps	Each	320	51,582	161.00

GREAT HIGHWAY

During the year, considerable man and equipment hours were expended in emergency type procedures resulting from wind blown and drifted sand covering the roadway pavement. These procedures include the closing of the highway with barricades and lights and the removal of the sand. The number of these situations is increasing due to the build up of the dunes. Occasionally private contractors assist the bureau in sand removal at no cost to the city. We allow them to haul the sand away for their own uses.

MUNICIPAL ASPHALT PLANT

Asphaltic mixtures produced at the Municipal Asphalt Plant during 1975 - 76 were as follows:

Mix Designation	Tons	COMPOSITION - %				
		Asphalt	#6	5/16"	5/8"	1 1/4"
Surface	676	8 1/2	91 1/2			
School	2,265	7	60	33		
Topeka	16,295	6	45	25	24	
Spreader	80	5 1/2	40	25	17 1/2	12
Binder	1,018	3 1/2	21	28	22 1/2	25
Cold	77	*	35 1/2	27 1/2	30	
Total	20,409					

* 1% Asphalt and 6% Pacific Specification 300 fuel oil.

Aggregates were screened into "hot bins" from a combination of coarse graded sand and three sizes of gravel. Production costs for the 20,409 tons produced during the year were as follows:

Direct Labor	\$ 63,583	or	\$ 3.12	per ton
Indirect Labor	3,328	or	.16	per ton
Overhead	26,763	or	1.31	per ton
Material	136,774	or	6.70	per ton
Gas, Electricity, Etc.	9,719	or	.48	per ton
Total	240,167	or	11.77	per ton

The asphalt plant was shut down during the month of October 1975 due to repairs of the fan for the scrubber system. There was also no production of asphaltic concrete during April 1976 due to the City Strike.

An additional 3,166 tons of plant mix was purchased from Pacific Pavement Company during the year.

BRIDGES, TUNNELS AND UNDERPASSES

Bridge openings during the past year and the previous five years were as follows:

YEAR	THIRD STREET	FOURTH STREET	ISLAIS CREEK
1975-76	985	748	816
1974-75	994	612	258
1973-74	1,014	792	883
1972-73	944	642	700
1971-72	776	558	862
1970-71	1,185	861	396

The increase in openings at Islais Creek Bridge was due to importation of coconut oil by Cargill Inc. and also dredging operations during October, November and December.

On March 26, 1976, the cargo ship Stolt Hippo accidentally ramed and damaged the east fender pilings on both sides of the Islais Creek Bridge. The Bureau of Engineering is handling the matter of contracting for repairs and collecting for the damages incurred.

A contract was awarded last year to Thomason Construction Company to perform various structural and mechanical repairs to the Third Street Bridge. This work includes sand blasting, painting and the installation of a new hydraulic loaded tension device on the rack and drive pinion.

BROADWAY TUNNEL

VENTILATION - FAN OPERATING TIME

YR. ENDING June 30	WESTBOUND TRAFFIC				EASTBOUND TRAFFIC			
	SLOW		FAST		SLOW		FAST	
	HOURS	%	HOURS	%	HOURS	%	HOURS	%
1976	225.1	2.56	2.2	.02	111.3	1.29	96.6	1.10
1975	272.9	3.11	1.6	.01	144.1	1.64	51.1	.58
1974	296.9	3.39	2.0	.02	58.8	.67	45.4	.52
1973	227.0	2.59	6.4	.07	96.9	1.10	44.3	.50
1972	381.7	4.35	9.9	.11	197.2	2.25	44.4	.50

During the month of January 1976, personnel from the U.S.S. Coral Sea donated their services to install a new radio antenna in both bores of the Broadway Tunnel.

GEARY - FILLMORE PUMPING STATION

Pump operating hours during the year were as follows:

PUMP NO. 1		PUMP NO. 2	
HOURS	%	HOURS	%
338	3.85	327	3.72

ARMY STREET CIRCLE PUMPING STATION

PUMP NO. 1

HOURS	%
21.6	.24

PUMP NO. 2

HOURS	%
19.8	.22

PUMP NO. 3

HOURS	%
17.2	.20

The emergency generator system at the pumping station continues to malfunction. The Bureau of Engineering and the manufacturer are consulting in order to resolve these problems.

One emergency light battery box was struck and destroyed by an automobile. The box was rebuilt and relocated by city forces.

Another such box and light standard was relocated as its location interfered with a railroad signal system.

Maintenance and repair of the lower light fixtures is an expensive operation. They are frequently damaged by automobiles and vandals.

A landscaping contract is now in progress. Monkdale Brothers are the contractors. The bid price is \$135,051.



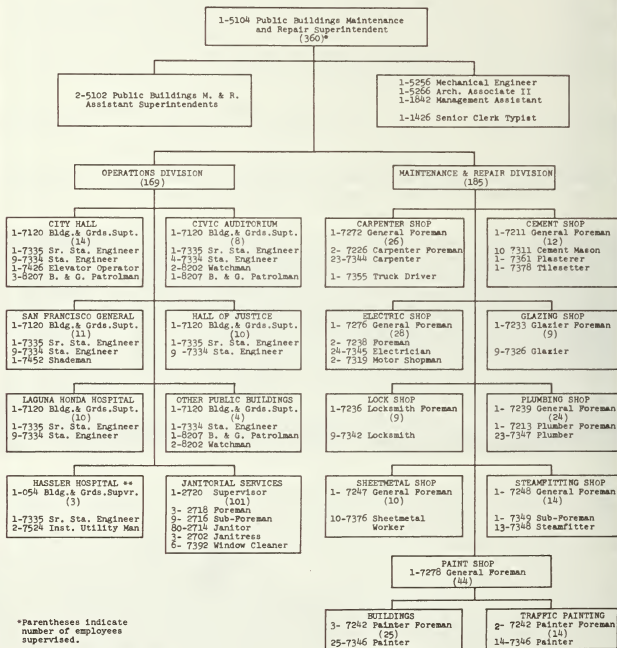
Top: Traffic barrier installed at Vienna - Excelsior intersection.

Bottom: Wind blown sand being removed from Great Highway.

ORGANIZATION CHART

BUREAU OF BUILDING REPAIR

June 30, 1976



*Parentheses indicate
number of employees
supervised.

**Hassler Hospital being phased out.

BUREAU OF BUILDING REPAIR

John Rutherford, Superintendent

With a work force of 361 employees consisting of nearly 50 different classes and an annual expenditure of \$9,178,428, this bureau is the largest and most diversified of the maintenance and operation units.

FUNCTION

The bureau's primary function is to maintain and repair 329 public buildings, as well as provide operational and/or janitorial services for 112 of these buildings. In addition, maintenance and repairs are performed for other departments by means of a budget transfer or interdepartmental work order procedure. A significant portion of this work was performed for the following departments:

1. School Department with over 140 buildings.
2. Recreation and Park Department with over 300 buildings and structures.
3. War Memorial, de Young Museum, Legion of Honor, Public Utilities, etc.
4. Bureau of Engineering:
 - a) Street traffic painting and maintenance of street signs.
 - b) Maintenance and repair of street structures, sidewalks and traffic control devices.

ORGANIZATION

As indicated by the organizational chart, the work force is almost evenly divided between operational and maintenance functions.

The Operation Division consists of 169 budgeted positions which include janitors, window washers, stationary engineers and watchmen who are assigned to various buildings and institutions.

The Maintenance and Repair Division consists of 185 building trade mechanics representing 12 different crafts. 78 of these are permanent budgeted positions. The remaining 107 positions are classified as interdepartmental and are filled on an "as needed" basis depending upon the work load and availability of funds.

The Administrative Division consists of a Superintendent and a staff of 7 which performs the required administrative functions of planning, budgeting, development of detailed work programs for each of the 9 major shops, pre-audit cost control on approximately 496 separate budget accounts, basic time reporting and personnel management. The Engineering and Architectural Team makes frequent inspections of the

physical plant in connection with the bureau's preventive maintenance program and is responsible for all contract work. During the year, 54 contracts totaling \$117,609 were awarded on a competitive basis, as shown in Figure 4.

CHANGES

Radical changes have occurred in the organization since the Supervisors made drastic reductions in most of the building trades craft pay. Several good experienced employees and foremen have already retired and others are planning on retirement or resignation. Morale has dropped to an all time low and productivity has suffered as a result. As an example of the difficulties created, consider the case of the two Motor Shopmen. These positions repair, service and rewind electrical motors and also are the only personnel we have who have the knowledge and expertise to trouble-shoot problems in motor controls, electronic controls in boilers, heating and ventilating equipment, lighting switchboards and many other sophisticated items of equipment. Approximately 60% of their time is spent in the field on this type of work. In previous years they were paid at two rates. Earlier this year the inside rate was \$8.638 an hour and the outside rate was \$10.99 an hour. The new Salary Standardization Ordinance reduced their inside pay to \$8.30 an hour and completely eliminated the outside pay provision. This has resulted in an average reduction in gross pay of \$16.00 per day and it seems probable that these two eminently qualified men will not continue to work under these circumstances. This will probably result in the shut down of the motor shop and present immense difficulties to our clients who depend upon these vital services. Similar problems seem to be developing in some other shops.

The building trades' strike resulted in the complete shut-down of the maintenance yard activities during April and the first week of May. Emergency repairs were assigned and completed by private contract under emergency provisions authorized in Section 6.30 of the Administrative Code. The City Hall, Hall of Justice and other major buildings were kept open and operating by supervisory personnel.

INTERDEPARTMENTAL WORK

The volume of interdepartmental work as shown in Figure 1 was down 1.1% from the previous year. The School Department continues to be the largest single account with expenditures of \$1,779,454 annually. During the year approximately 10,000 work requisitions were completed which averaged 40 per work day. Analysis of costs show that about 40% of all miscellaneous school jobs cost \$25.00 or less and about 80% cost \$100.00 or less. Vandalism continues to be a major problem with the schools, as well as with the Recreation-Park Department. The I.D. overhead averaged 61.2%. The overhead consists of such items as retirement, social security, workman's compensation, sick leave, vacation, etc., over which the bureau has no control.

PROBLEMS

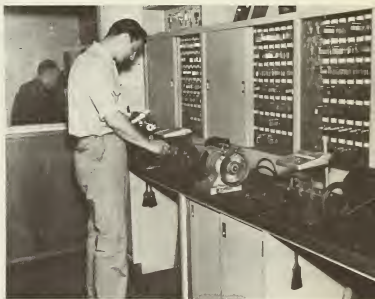
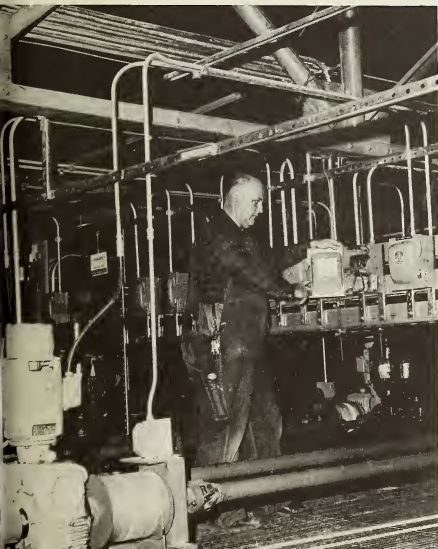
The principal problem facing the bureau is trying to reconcile the actual

maintenance needs of the City's physical plant which is ever growing with the Mayor's and Supervisors' announced goal of general budget reductions in personnel and operating appropriations. Maintenance continues to be deferred due to a reduction in personnel and maintenance appropriations. At current funding levels it may take some 30 years to complete the painting cycle of an average City building.

An important decision will have to be made concerning interdepartmental work. This past year the bureau completed some 3.0 million dollars of maintenance work for other agencies, principally for the San Francisco School District and Community College. The problem is that personnel requisitions to replace vacancies in this interdepartmental group are being frozen. As a result of this we are unable to complete work to which we have previously committed ourselves even though non-ad valorem funds have been work ordered to us. Unless we are allowed authority to maintain an adequate interdepartmental work force we will have to refuse requests from these agencies for service and they will have to establish or expand their own maintenance facilities.

FUTURE PLANS

Recognizing the realities of the fiscal situation, the Bureau is prepared to power-down into a smaller operation with reduced budget, fewer employees and corresponding reduction in services. Unfortunately, this will result in an even greater backlog of deferred maintenance and eventually much greater final costs for maintenance of the City's physical plant.



Left: House electrician at Civic Auditorium performs test and maintenance work on special stage equipment operating lights drapes, etc. Above: Workman operates cutter at the Key Shop where over 20,000 keys are made annually.

PROPORTIONAL EXPENDITURES OF ALL KINDS

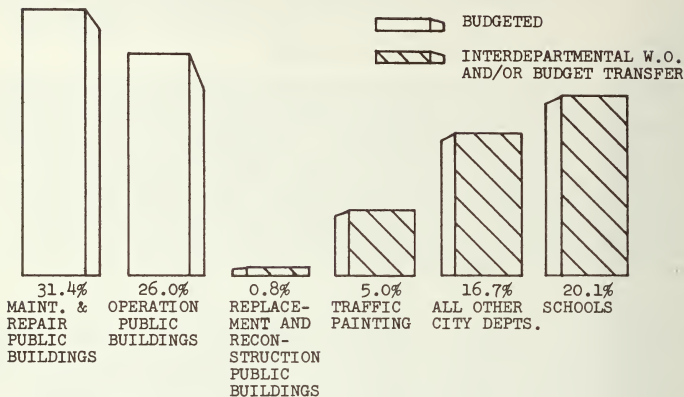


Figure 1

PERSONNEL ASSIGNMENT

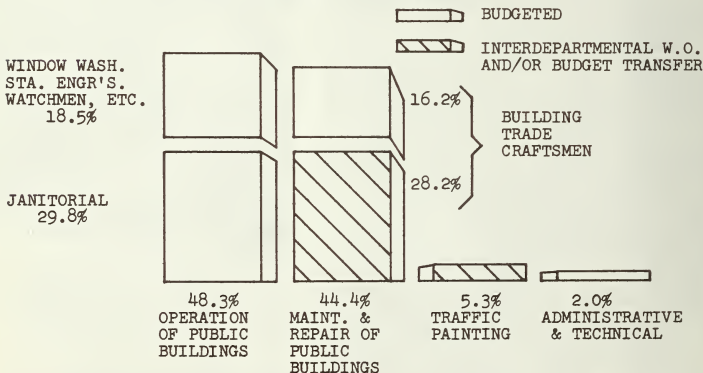


Figure 2

ASSIGNMENT OF BUILDING TRADES PERSONNEL (185 Employees)

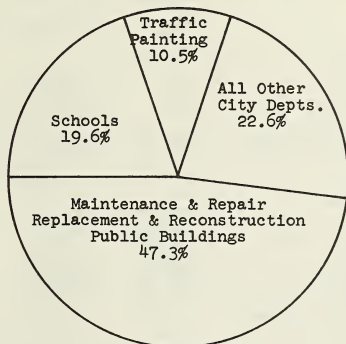


Figure 3

INFORMAL CONTRACTS AWARDED 1971-2 THRU 1975-6

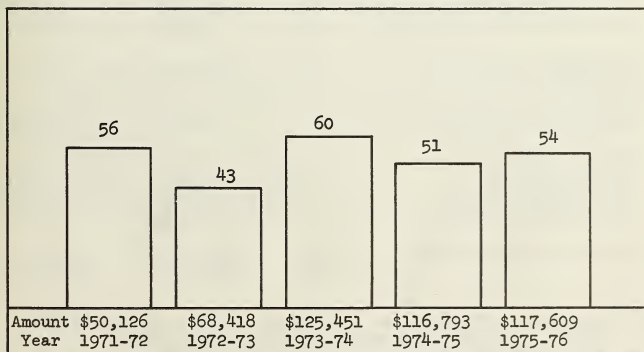


Figure 4

PUBLIC BUILDINGS UNDER THE JURISDICTION OF THE DEPARTMENT
OF PUBLIC WORKS FOR MAINTENANCE AND REPAIR

DEPARTMENT	NO. OF BLDGS.	TOTAL SQ. FT.	ANNUAL EXP. (A)
Fire Department	61	623,000	\$ 173,228
Juvenile Court			
Hidden Valley Ranch	4	42,712	10,459
Log Cabin Ranch	16	32,000	19,713
Youth Guidance Center	17	202,330	59,420
Police Department (Stations)	10 (C)	101,293	31,003
Hall of Justice	1 (C)	580,500	228,310
Public Health			
Emergency Hospitals	5	33,352	13,986
*Hassler Hospital	18 (C)	130,000	11,499
Health Center Bldgs. and	7 (C)	179,550	49,962
Health Centers	4 (R)	5,900	
Laguna Honda Hospital	25 (C)	650,000	377,248
S. F. General Hospital	28 (C)	753,000	503,451
V. D. Center	1 (R)	10,000	2,545
Center for Special Problems	1 (R)	10,000	1,045
Public Library	23	341,943	97,705
	6 (R)	9,405	
Public Works			
City Hall & Power Plant	2 (C)	526,540	253,902
City Hall Annexes	3 (C)	37,190	7,038
450 McAllister Street	1 (C)	56,460	16,932
Maintenance Yard	9 (C)	72,890	44,576
19th Avenue Garage	1	4,400	1,497
Water Pollution Treat. Plants	35	543,330	188,500
Water Pollution Pumping Div.	18	31,325	14,904
Real Estate			
Civic Aud./Brooks Hall	2	435,400	138,955
Sheriff			
County Jails #2 and #4	7	138,970	98,421
Social Services			
150 Otis Street	2 (C)	40,900	22,874
585 Bush Street	1 (C)	43,791	3,659
1680 Mission Street	1 (C)	40,000	10,292
Rehabilitation Center	1	10,000	3,970
Miscellaneous Departments	19	230,594	59,412
TOTAL:	329	5,916,775	\$2,444,506

NOTES:

- (R) Indicates buildings that are rented. (Total of 12 buildings with a combined floor space of 35,305 square feet.)
- (C) Indicated custodial and/or operational services.
- (A) Average expenditure per square foot is \$.413
- (*) Caretaking personnel until sold.

BUREAU OF BUILDING REPAIR

Supervisory Personnel As of June 30, 1976

ADMINISTRATION:

Superintendent	John Rutherford
Assistant Superintendents.	Norman McInnis Andrew K. Nielsen
Mechanical Engineer.	Eugene Andersen
Architectural Associate II	Richard Von Hungen-Groth
Management Assistant	William J. Dunn
Senior Clerk Typist.	Olga Sanchez

OPERATIONS:

Building and Grounds Superintendents:

City Hall.	William Cody
Civic Auditorium	John Mullane
Hall of Justice.	Jack Prudhomme
Laguna Honda Hospital.	Vincent McGarry
San Francisco General Hospital	Carl Kriletich
Other Buildings.	Robert Davidson

Building and Grounds Supervisor:

Hassler Hospital	William Glennon
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Janitorial Services.	James Sullivan
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MAINTENANCE AND REPAIR:

Carpenter General Foreman.	Leonard Anderson
Cement Mason General Foreman	Americo Stoppoloni
Electrician General Foreman.	Carlos Baumgartner
Acting Glazier Foreman	Dario Giorso
Locksmith Foreman.	Elliott Yellin
Acting Painter General Foreman	Dale Thorpe
Plumber General Foreman.	Richard Conway
Sheetmetal General Foreman	Bert Srock
Steamfitter General Foreman.	George Stahl

BUREAU OF STREET CLEANING AND PLANTING
1-5170 Street Cleaning and Planting Superintendent

1-5173 Street Cleaning and Planting Assistant Superintendent

Clerical 1-1424 Clerk/Typist

*Radio Dispatcher DPW Radio KME-327 1-B222 Gen. Clerk

CLEANING DIVISION

District #1

1-7281 Gen. Foreman
8-7355 Truck Driver
+2-7215 Gen. Laborer P'man
11-7514 Gen. Laborer
25-7530 Street Cleaner
12-7560 Pld. Conv. Aide

District #2

1-7281 Gen. Foreman
8-7355 Truck Driver
4-7215 Gen. Laborer P'man
8-7514 Gen. Laborer
20-7530 Street Cleaner
12-7560 Pld. Conv. Aide

District #3

1-7281 Gen. Foreman
8-7355 Truck Driver
3-7215 Gen. Laborer P'man
3-7514 Gen. Laborer
21-7530 Street Cleaner
20-7560 Pld. Conv. Aide

District #4 (19th Ave. Yard)

1-7281 Gen. Foreman
8-7355 Truck Driver
4-7215 Gen. Laborer P'man
6-7514 Gen. Laborer
24-7530 Street Cleaner
20-7560 Pld. Conv. Aide

District #5

1-7281 Gen. Foreman
8-7355 Truck Driver
5-7215 Gen. Laborer P'man
22-7514 Gen. Laborer
23-7530 Street Cleaner
12-7560 Pld. Conv. Aide

District #6

1-7281 Gen. Foreman
9-7355 Truck Driver
4-7215 Gen. Laborer P'man
10-7514 Gen. Laborer
25-7530 Street Cleaner
9-7560 Pld. Conv. Aide

PLANTING DIVISION

1-3440 Landscaping and Street Planting Supervisor

1-1424 Clerk/Typist

Street Landscaping

Street Trees:

Trouble-Shooting and
Mobile Units

1-3422 Park Sec. Supv.
10-3416 Gardener
1-7355 Truck Driver

Landsaped Areas:

Stationary and
Mobile Units

1-3418 Gard. Sub. P'man
8-3416 Gardener
3-3410 Asst. Gardener
1-7355 Truck Driver
15-7560 Pld. Conv. Aide

Institutional Landscaping

Hospitals: Laguna Honda,
San Francisco General

1-3418 Gard. Sub-P'man
3-3416 Gardener
5-3410 Asst. Gardener
4-7560 Pld. Conv. Aide

Sewage Treatment Plants

1-3416 Gardener
1-3410 Asst. Gardener

Health Centers

1-3418 Gard. Sub-P'man
1-3416 Gardener
3-3410 Asst. Gardener

*1-B222 General Clerk
on Bureau of Engineering
Budget

*9 of the 22 General Labor
Foremen are temporary and supervise
Field Conservation Aides

**S.F.W. Summer Youth Work
Projects**

1 Coordinator
350 Youths

**Organic Gardening
Project (58 Locations)**

1 Coordinator
1 Clerk/Typist

BUREAU OF STREET CLEANING & PLANTING

Bernard M. Crotty, Superintendent

The Bureau of Street Cleaning & Planting is responsible for cleaning 854 miles of improved streets and 55 miles of traffic islands. The Bureau is also responsible for maintenance of 177 acres of street landscaping and over 20,000 street trees.

Major subsidiary functions assigned to the Bureau include the cleaning, landscape maintenance, and physical maintenance of 19 neighborhood off-street parking lots and 2 garages; regular cleaning of the tile surfaces of the Broadway Tunnel, Stockton Street Tunnel, and the Geary-Masonic underpass, cleaning of 10 smaller vehicular and pedestrian underpasses and 215 sets of public stairways serving residences on streets too steep for conventional surfacing.

Other City Departments find it expedient to use our services on a work order basis. Some of these functions are as follows: Cleaning and landscape maintenance at Hallidie Plaza for the Real Estate Department; cleaning of City College roads and Hall of Justice Parking Lot; maintenance of landscaping at the 3 Sewage Treatment Plants; cleanup after parades and civic functions for which we are reimbursed by the respective Parade Committee through the Chief Administrative Officer. In addition to all other duties the Bureau also administers the Organic Gardening Program with gardens at 58 locations throughout the City.

The Bureau also promotes and coordinates Litter Control and private Tree Planting Programs independently and in cooperation with public spirited groups and committees.

An important function of the Bureau is operation of the Department of Public Work's radio transmitter servicing 62 mobile units.

STRIKE

Beginning March 31, 1976 and continuing through May 7, 1976, most city craft workers stayed away from their jobs in a dispute over wages and conditions.

Inasmuch as our employees in the Bureau are almost all members of either the Laborer's or Teamsters Union, the citizens of San Francisco were denied our services for over a month.

Although dirty streets and overflowing litter cans are repugnant, the effects are short lived but the long range effects of the gardeners absence are still painfully extant as evidenced by brown lawns, hardened soil, and dead or dying trees.

The major reason that lack of street cleaning service did not cause too much trouble was because many house-holders and business

people cleaned up their streets and disposed of the refuse privately.

In recent years the tax crunch has resulted in a severe cutback of resources and therefore our services.

In order to maintain a semblance of past service, unique and innovative methods of removing and handling refuse are being sought, and when found they are applied.

An example is a very simple but productive change in our way of handling street refuse which has been swept from between parked cars by hand labor. Heretofore, the material was swept into piles which were left outside the line of parked cars awaiting the arrival of a truck and driver with a crew of two who shoveled the piles into the truck. This was a slow, tedious and frequently very unproductive method due to the movement of vehicles and the wind, both of which disturbed the loose material awaiting pickup.

Everyone among our supervisory force realized for years that this method was archaic and that a change to a more efficient method was mandatory. Although it was agreed that the swept-up litter should be placed in plastic bags to keep it from blowing around, it was Assistant Superintendent Gerald Sullivan who suggested the means of getting the litter into the plastic bags. He modified our old-fashioned hand scoop to accommodate the use of plastic bags in a very simple manner. The new scoop was designed with both ends open, resulting in a funnel-like tool to which a plastic bag is attached by an elastic cargo tie-down. These tie-downs are available at any auto supply store, and the scoops are manufactured by the same firm that made our old scoops. Once the refuse is in the bag it can't blow around. The bags are stored at intersections and are picked up by a truck driver and one lumper (laborer) instead of two laborers.

This new method has only been in effect for about two months and though we already see a very significant improvement in efficiency, productivity and cleanliness, we have not yet entirely assessed the advantages. We expect to be able to make a comprehensive report after about the sixth month of operation.

CONTROLLED PARKING

This is the second year of our controlled parking for street cleaning in the Richmond District, an area of about 62 linear miles of streets. We are as enthusiastic after this second year as we were initially. This is the most practical way of street cleaning in automobile congested urban streets. We are presently preparing plans for expansion of this system to other districts of the city in an effort to replace the inefficient, costly hand cleaning of streets.

SUMMER YOUTH PROGRAM

For the fifth consecutive year the Bureau of Street Cleaning & Planting administered the Department of Public Work's Summer Youth Program for underprivileged youths of San Francisco. From June through August 368 young men and women participated in a stimulating variety of projects throughout the department. As the traditional gas tax funding was no longer available, federal funds covered wages and a \$5000 grant from Standard Oil of California helped defray supply and equipment expenses.

An innovative program called the Youth Anti-Litter Corps Project was created to deal with the chronic litter problems in high use areas of the city, such as the Market Street area and Chinatown and Fisherman's Wharf areas. Also, new ground was broken by opening up field activities for females as evidence in the fact that 25% of all activities were staffed by young women. The only major problem encountered in administering this year's program was the lack of funds for tools, supplies and equipment.

For the three years prior to 1975, the program was most ably conducted by L.F. "Tommy" Thompson, on loan from the Bureau of Engineering to the Bureau of Street Cleaning & Planting. Many of the administrative, supervisory and accounting procedures instituted by Mr. Thompson are still in use and have proved to be of substantial help to us.



Above: Bosworth St. just after trees were planted 5 years ago.



Above: Bosworth St. today with matured trees and shrubbery.

TABLE 1
DEPARTMENT OF PUBLIC WORKS
BUREAU OF STREET CLEANING & PLANTING
CITY & COUNTY OF SAN FRANCISCO, CALIFORNIA
ANNUAL REPORT - MOTOR FLUSHING - FISCAL YEAR - 1975-1976

Month	Curb Miles Flushed	No. of Stops For Refilling Water Tanks	Disposition of 10 Flushers (Hours)			Downtime* %	Average No. Flushers In Operation
			Flushing	Downtime	Total Work Days Hours		
<u>1975</u>							
July	3808	1200	755	1005	1760	57.10	4.29
Aug.	2773	925	637	1043	1680	62.07	3.79
Sept.	1877	692	471	1209	1680	71.95	2.81
Oct.	2581	958	597	1243	1840	67.54	3.25
Nov.	2884	889	595	845	1440	58.66	4.13
Dec.	2619	962	605	1155	1760	65.61	3.44
<u>1976</u>							
Jan.	4769	1247	822	858	1680	51.05	4.90
Feb.	2336	903	525	995	1520	65.43	3.46
March	3209	1289	771	1069	1840	58.08	4.19
April**	--	--	--	1760	1760	100.00	0
May	1987	593	513	1087	1600	67.91	3.21
June	1200	376	292	1468	1760	83.40	1.66
<hr/>							
Totals	30043	10034	6583	13737	20320	808.80	39.13
<hr/>							
Averages							
Per Month	2503	836	548	1144	1693	67.40	3.26

NOTE: Each Flusher is operated with a driver and a helper for operating Flushing Controls.

*Downtime includes all work-day time that equipment is not engaged in street flushing; such as when undergoing repairs or service or when operating on work of different nature or due to shortage of drivers.

**City Employee Strike during April, 1976.

TABLE 11
DEPARTMENT OF PUBLIC WORKS
BUREAU OF STREET CLEANING & PLANTING
CITY & COUNTY OF SAN FRANCISCO, CALIFORNIA
ANNUAL REPORT - MOTOR SWEEPING - FISCAL YEAR - 1975-1976

Month	Curb Miles Swept	Sweeper Loads (Number)	Disposition of 15 Sweepers (Hours)			Downtime* %	Average No. of Sweepers in Operation
			Sweeping	Downtime	Total Work Days Hours		
<u>1975</u>							
July	5046	278	1363	1277	2640	48.36	7.75
Aug.	4972	297	1357	1163	2520	46.14	8.08
Sept.	4830	315	1394	1126	2520	44.67	8.30
Oct.	5389	320	1472	1288	2760	46.66	8.00
Nov.	4455	278	1258	902	2160	41.75	8.74
Dec.	4682	308	1423	1217	2640	46.09	8.09
<u>1976</u>							
Jan.	4377	292	1284	1236	2520	49.04	7.64
Feb.	4652	260	1294	986	2280	43.23	8.52
March	4713	255	1371	1389	2760	50.32	7.45
April	--	--	--	2640	2640	100.00	0
May	3192	277	969	1431	2400	59.60	6.06
June	4682	326	1578	1062	2640	40.22	8.97
<hr/>							
Totals	50990	3206	14763	15717	30480	616.08	87.60
<hr/>							
Averages							
Per Month	4249	267	1230	1309	2540	51.34	7.30

* Downtime includes all work-day time that equipment is not engaged in actual street-sweeping; such as when undergoing repairs, held for servicing or when no driver available.

** City Employee Strike during April, 1976.

LANDSCAPING & STREET PLANTING DIVISION BUREAU OF STREET CLEANING & PLANTING

By ordinance the Landscaping & Street Tree Division is charged with the care and maintenance of 20,570 trees and 179 acres within the boundaries of the City and County. These figures show a responsibility which has almost trebled since 1965. They also show that the landscaping aspect of San Francisco's master plan is being implemented so its open space areas are being linked by its greenery on its streets and avenues. The landscaping of the Western Addition and other redevelopment areas have added a touch of natural beauty to these areas by enhancing the angular lines of their buildings.

HOSPITALS & OTHER GROUNDS

Another aspect of this Division's responsibility is the maintenance of the grounds of the city's hospitals, health centers, parking lots, sewage disposal plants, and other facilities. These areas represent a continuing effort to renovate existing plantings. This is especially done at Laguna Honda and San Francisco General Hospitals to maintain an attractive and pleasant environs to a sometimes depressing situation.

TREE PLANTING BY THE PUBLIC

This Division continues to inspect potential sites for sidewalk trees and issuing the permits as the sites are approved. 970 permits were issued in the last year and this figure does not include those applications which could not be allowed.

The Street Planting Division has also continued its advisory capacity to the citizenry. By telephone and in person, it has counseled those citizens seeking our advice concerning their aborcultural problems.

The annual slogan contest for arousing public interest in tree planting was co-sponsored with Standard Oil Company of California. Using the winning slogan, "Plant a Porennial for the Bicentennial" the cause of urban beautification was fostered throughout the City.

SPECIFIC IMPROVEMENTS

Of great importance to the Division was the temporary employment of a tree-topper. As a result, a long needed comprehensive program of large tree maintenance is in the process of being achieved. Conditions which could have proven hazardous on Sunset Boulevard and other areas are being alleviated. Additionally the tree-topper's skill was utilized in numerous emergency situations which in the past were met with less expertize.

PERSONNEL

Personnel of the Division have been encouraged to continue their education in horticulture. As a result they keep abreast of

advances in technique. The Division, through its personnel, is able to determine the diseases and pests which are attacking trees. Two diseases causing concern are anthracnose on Chinese Evergreen Elms and crown root rot which infects a variety of species. Our employees have been able to adjust their practices as suggested by material supplied by University of California Cooperative Extension. The use of herbicides and new cultural practices have helped ease the burden caused by the reduction in manpower. Presently the Division has twenty field employees who care for 823 trees and 7.17 acres per man. While not every item requires constant attention, it is a burden which the Division must struggle to maintain properly.

DROUGHT AND STRIKE

Two unforeseen events aggravated the manpower crisis this last year. The lack of rain caused the Division to continue its watering program throughout the year. This program was disrupted by the City Employee Strike. The stress caused to the street trees by both events was serious enough to evoke a plea from the Supervisor of the Division to the public to water the trees fronting any property in which they might own or reside. In many instances the effects of these two events will only become apparent in the months to come.

FEDERALLY FUNDED PROGRAMS

A. Community Gardens - This program continues but with a much reduced budget. A coordinator works under the Supervisor of the Street Planting Division to advise and assist those working in the gardens. The costs of the program is not totally covered by its funding. As a result the Division has provided auxiliary services to aid in the program's development.

To date over fifty-five gardens produce a large quantity of fresh fruit and vegetables for many of the City's young, elderly, and poor citizens. Community gardeners show special skills in devising economical methods in producing bumper crops. Aside from the benefit of fresh food, the gardens have become a recreational and educational experience through a common sharing of work and harvest.

The Community Gardens show that the City of San Francisco cares. Such a rapport deserves continued funding and support.

B. The Neighborhood Initiated Improvement Projects (NIIP) - The Street Planting Division has been assigned the task of implementing this program. Through it neighborhood groups apply for funds to plant trees. Once approved by the City Planning Department, the Division arranges its execution by ordering the trees, soil, and debris boxes. It also approves the sites and provides other services; such as, cutting the concrete sidewalks. Although the project has impinged on the Division's regular duties, it is involving local groups in the City's beautification since they supply the work force to do the actual planting. This personal involvement engenders in the neighborhood a pride of achievement which may insure the trees' survival.

CONCLUSION

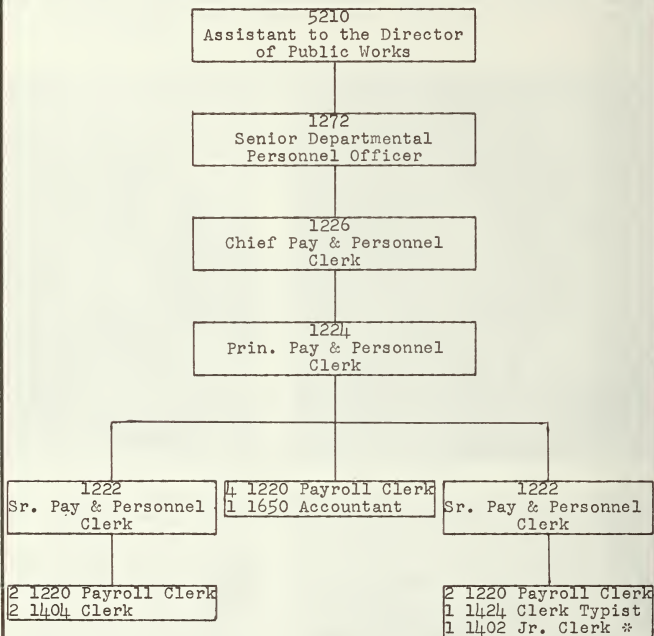
The Landscaping & Street Planting Division faces 1976-1977 without the benefit of force and vitality of two men. James Campsie performed the duties of Park Section Supervisor from the Division's inception. His supervision of the field operations successfully brought policy to fruition.

Brian Fewer, Landscaping & Tree Planting Supervisor, will soon retire. Through his efforts San Franciscans have been made aware of what trees do for a city. When ecology was only a word in the dictionary, Brian Fewer was showing how nature could enhance urban life.



Above Left: A view of the manual tree pruning techniques used in 1970.
Above Right: Tree pruning today is done using the latest most efficient equipment. Below Left: A greenhouse used by people involved in the Community Garden Program.

ORGANIZATION CHART
BUREAU OF PERSONNEL ADMINISTRATION



* Position in General Office Budget;
responsibility for assignment only

BUREAU OF PERSONNEL ADMINISTRATION

Albert C. Ambrose, Senior Departmental Personnel Officer

FUNCTIONS

The Bureau of Personnel Administration is the central personnel agency for the Department of Public Works, and a service bureau to all other operating and service bureaus of the department.

The Supervisor of the Bureau of Personnel Administration advises the Director, the Assistant Director, the bureau heads, line supervisors and other department employees on matters relating to classification, salary, discipline, assignment, transfer, time reporting, employee evaluation, Civil Service rules and regulations, Board of Supervisors ordinances and resolutions, the City Charter, the policies of the Mayor's and Chief Administrative Officer's offices, and other personnel transactions. The Bureau Chief also acts as liaison officer between the department and the Civil Service Commission, the Controller's office and the Mayor's office in matters of personnel administration.

The staff of the Bureau of Personnel Administration is directly involved in the preparation of all departmental time-rolls and the processing of all personnel transactions; including Civil Service employee sign-up and assignment, Non-Civil Service and Limited Tenure sign-up and assignment, the keeping of sick leave, vacation, overtime earned, personal and educational leave records, the processing of disciplinary cases, the requisitioning for permanent and temporary employments, some phases of payroll distribution, and other personnel transactions.

ACTIVITIES FOR THE YEAR

The operations of the Bureau of Personnel Administration in fiscal year 1975-76 included the following:

Preparing and processing 1,929 time-rolls involving the expenditure of approximately \$20,250,778. Included in this payroll expenditure was a substantial amount for temporary employees, plus substantial disability payments.

Processing 215 requisitions for permanent Civil Service employees to fill vacancies due to deaths, resignations, transfers, retirements, etc.

Processing 808 requisitions for temporary Civil Service employments due to vacation, sick leave, personal leave, reclassifications, replacements, etc. However, because of difficulty in recruiting Civil Service employments, it

was necessary to employ 898 Non-Civil Service employees for these authorized positions.

Processing 335 accident reports.

Bureau headquarters are at 253-60 City Hall, where the Bureau Chief and the bulk of his staff are located. A listing of the bureau's personnel is as follows:

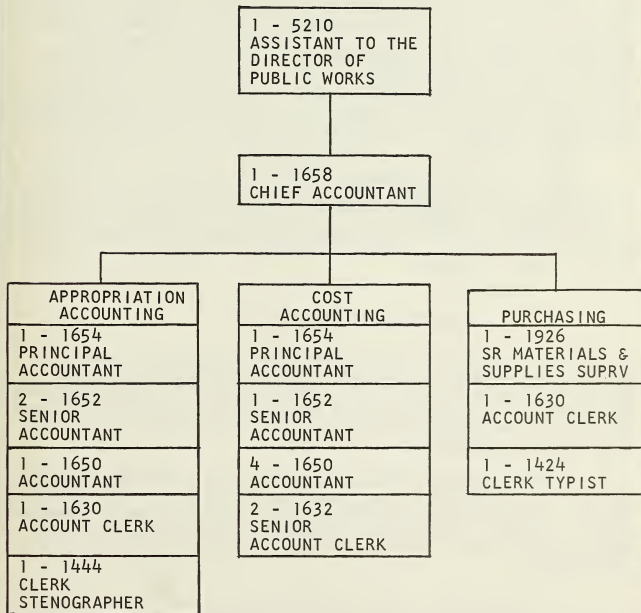
1	1272	Senior Departmental Personnel Officer
1	1226	Chief Payroll and Personnel Clerk
1	1224	Principal Payroll and Personnel Clerk
2	1222	Senior Payroll and Personnel Clerk
8	1220	Payroll Clerk
1	1650	Accountant
1	1424	Clerk Typist
2	1404	Clerk
1	1402	Junior Clerk (see Organization Chart)

DEPARTMENT OF PUBLIC WORKS

BUREAU OF ACCOUNTS

ORGANIZATION CHART

JUNE 30, 1976



TOTAL PERSONNEL 18

BUREAU OF ACCOUNTS
L.P.Fong, Chief Accountant

FUNCTIONS AND ORGANIZATION

The Bureau of Accounts controls the following operating functions: purchase order requisitions, sub-storeroom and inventories, automotive expenditures; work order job costs and invoicing; side sewer job deposits and refund accounts; Federal, State and other trust funds, State gasoline tax subventions and bond fund accounts; capital improvements accounts for the General Fund, and Recreation and Park Department Fund; the cash revolving fund; and budget preparation and controlling accounts. This bureau is also called upon to assume the complex and involved accounting responsibility in connection with expanding the city sewage treatment facility construction program under the Federal and State grants.

This Bureau is organized as three divisions under the Chief Accountant. They are Appropriation Accounting, Cost Accounting, and Purchasing. The Bureau maintains an office at 2323 Army Street to serve the Maintenance Yard Bureaus and an office at 450 McAllister Street, Room 502, to serve the City Hall Bureaus.

APPROPRIATION ACCOUNTING

This Division maintains accounts showing allowances, reserves, allotments, expenditures, encumbrances, and balances, for all funds under the control of this department. These accounts form the basis of controlling all transactions to assure the funds are expended for the purpose for which they were appropriated.

In addition to maintaining all of the operating accounts this Division handles the fiscal processing for formal contracts covering street improvements, sewers, sewage treatment plant, schools, hospitals, firehouses, recreation and park improvements, and numerous capital projects for other city departments.

The preparation and consolidation of the annual budget is also a responsibility of this Division.

PURCHASING

This Division is responsible for the supplying of equipment, materials, and supplies for the varied

activities of this Department, the sub-storeroom and the material yard. During fiscal year 1975-76, this Division processed 5,604 Requisitions for Purchase Orders and/or Revolving Fund Orders in the total amount of approximately \$2,675,875.11 involving 28,020 items. In addition, 3,942 delivery orders involving 15,768 items, 5,218 storeroom tags involving the delivery of 15,654 items and 48 requisitions on the storekeeper involving 720 items were issued.

COST ACCOUNTING

This Division maintains accounts showing allowances, expenditures by type, encumbrances, and balances for all work orders received by this Department.

In addition, job costs are maintained for many aspects of the Department's operations such as cost of traffic painting, cost per mile of highway maintenance, cost of side sewer installations and cost of asphalt production. This Division compiles costs to repair damage to City property under jurisdiction of this Department and forwards a bill to the responsible party. These costs amounted to \$64,464.99 for fiscal year 1975-76 and embraced 100 cases covering damages to automotive equipment, street structures, bridges, street signs, traffic signs, street plantings, traffic signals, traffic devices, and damages to public buildings.

OPERATING BUDGET OF THE BUREAU

<u>PURPOSE</u>	<u>ALLOWANCES</u>		<u>EXPENDITURES</u>	
	<u>1974-75</u>	<u>1975-76</u>	<u>1974-75</u>	<u>1975-76</u>
Permanent Salaries	\$142,049	\$151,288	\$110,636	\$136,883
Overtime	517	500	514	500
Holiday Pay	1,156	972	1,061	938
Contractual Services	18,260	7,150	20,771	7,150
Materials and Supplies	1,574	1,658	1,574	1,570
Equipment	472	-0-	424	-0-
Fixed Charges	34,394	35,245	31,952	26,292
Services of Other Depts.	85,843	86,521	137,057	183,049
	<u>\$284,265</u>	<u>\$283,334</u>	<u>\$303,989</u>	<u>\$356,382</u>

WORK ORDERS TO DEPARTMENT FISCAL YEAR 1975-76

<u>BUREAU</u>	<u>NUMBER OF</u>	<u>TOTAL</u>
	<u>COST ACCOUNTS</u>	<u>ALLOWANCE</u>
Architecture	58	\$ 1,094,736
Building Inspection	25	63,527
Building Repair	479	4,054,415
Central Permit	2	4,300
Engineering	448	7,161,776
General Office (Contracts)	135	24,057,556
TOTAL	<u>1147</u>	<u>\$36,436,310</u>

DEPARTMENT BUDGET

<u>Bureau</u>	<u>Allowance</u>		<u>Expenditures</u>	
	<u>1974-75</u>	<u>1975-76</u>	<u>1974-75</u>	<u>1975-76</u>
<u>General Fund</u>				
Accounts	\$ 261,398	\$ 283,334	\$ 303,989	\$ 356,382
Architecture	194,245	202,975	176,794	202,757
Building Inspection	3,303,865	3,171,301	2,995,496	2,733,573
Building Repair	5,688,914	6,147,637	5,355,159	5,913,142
Traffic Painting	518,259	505,850	501,924	468,859
Central Permit	264,853	177,443	274,214	160,437
Engineering	2,048,889	2,797,888	1,932,424	2,606,182
General Office	772,428	717,708	717,049	638,592
Personnel Administration	158,164	158,918	148,450	150,949
Water Pollution Control				
Waste Water Pumping	488,277	501,856	456,019	497,212
Treatment Division	6,001,702	5,700,130	5,662,612	5,013,386
Sewer Repair	2,615,932	2,982,751	2,645,850	2,526,397
Street Cleaning	5,395,025	6,767,343	4,802,490	5,432,158
Capital Improvement	678,150	1,659,300	1,829,871	1,961,989

SPECIAL GAS TAX STREET IMPROVEMENT FUND

General Maintenance	-0-	-0-	-0-	-0-
Construction	3,244,000	643,000	863,685	570,386
1.04 Cent Fund	2,153,000	2,692,247	1,124,521	462,316

Road Fund

Street Repair	3,958,289	4,379,250	3,626,550	3,657,017
Select System Const.	-0-	-0-	-0-	-0-
Traffic Engineering	1,974,228	2,227,498	1,916,536	2,084,004
General Maintenance	1,896,859	1,836,782	1,846,114	1,862,767
Construction	20,004	20,004	578,360	484,092
Street Planting	585,156	708,307	557,110	603,348
1.04 Cent Matching Funds	-0-	-0-	69,200	10,012
TOTAL	<u>\$42,221,637</u>	<u>\$44,281,522</u>	<u>\$38,384,417</u>	<u>\$38,395,957</u>

APPENDIX: I & II

APPENDIX I
BUREAU OF ENGINEERING CURRENT
CONTRACT DATA SUMMARY
SHOWING ALL CONTRACT WORK

JULY 1, 1975 TO JUNE 30, 1976

Table	Type of Construction	No.	Value of Contracts Awarded	Amount Earned FY 1975-76
A	<u>MAJOR THOROUGHFARES</u>			
	A-1 Street Construction	0	\$ 0.	\$ 2,339,225.
	A-2 Chann. & Traffic Signals	7	445,293.	681,955.
B	<u>SECONDARY ROADS</u>			
	B-1 Reconstruction	11	913,467.	1,606,736.
	B-2 Resurfacing	4	598,597.	245,658.
C	<u>STREET IMPROVEMENT</u>	0	0.	115,145.
D	<u>ENVIRONMENTAL WASTE CONTROL</u>			
	D-1 Pipe Sewers	21	3,203,844.	4,075,731.
	D-2 Monolithic Sewers	0	0.	1,107,498.
	D-3 Water Pollution Control	3	632,024.	1,313,920.
	D-4 Pump Stations	0	0.	0.
E	<u>STREET BEAUTIFICATION</u>	18	2,626,037.	2,788,579.
F	<u>RECREATION & PARK</u>	27	1,392,646.	1,091,226.
G	<u>MISCELLANEOUS</u>			
	G-1 Bldg. & Structures	7	631,508.	788,685.
	G-2 Parking Facilities	0	0.	0.
	G-3 Slides	0	0.	17,127.
	G-4 Auxiliary Water Supply	3	470,883.	2,048,557.
	TOTAL Construction	101	\$10,914,299.	\$18,220,042.
H	<u>APPOINTMENTS</u>	80	\$ 6,860,318.	\$ 1,386,951.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
<u>A-1 Street Construction</u>				
Market St - 5th to 7th Contract 1 McGuire & Hester	12- 1-71	99%	1,759,227.	92,795.
Market St - Front to 5th Contract 2 McGuire & Hester	4-26-72	99%	2,374,388.	96,900.
Market St - Brick Purchase Higgins Brick Co.	4-31-71	8- 7-75	576,953.	76,129.
Market St - Grate Purchase Olympic Foundry	5- 1-72	97%	352,985.	31,903.
Market St - Traffic Signal Purchase C. E. Toland	5- 1-72	72%	724,296.	379,915.
Market St - P. of G. Light Purchase Abbett Electric Corp	5-12-72	91%	1,383,244.	441,991.
Market St - Powell St Wall McGuire & Hester	2- 2-73	99%	557,502.	0.
Market St - 8th to McCoppin Contract 3 Westate Constructors, Inc.	9- 7-73	95%	3,048,676.	219,600.
Market St - Grate to Stockton Contract 4 Homer J. Olsen	11- 9-73	6- 1-76	270,035.	19,135.
Market St - Fremont to First Contract 5B Homer J. Olsen	12-21-73	98%	148,477.	0.
Judah St - 4th to 20th Ave Track Reconstruction Homer J. Olsen	5- 8-74	95%	1,894,705.	118,200.
Fairfax Ave - Newhall to Keith E. Mitchell	2-26-75	1-26-76	338,664.	214,968.
Evans Ave - 3rd to Jennings Ave Street Widening - Rosa	5-14-75	6-10-76	647,689.	647,689.
Total Awarded & Earned During FY 75-76			0.	2,339,225.

A-2 Channelization & Traffic Signals

Northern Waterfront - Lighting & Signals R. Flatland	10-30-74	11-14-75	74,666.	34,986.
Downtown Traffic Signals R. Flatland	12- 4-74	10-17-75	59,941.	1,841.
Fourth & Townsend Traffic Signals Steeney	12-27-74	7-23-75	24,748.	6,848.
Various Traffic Signals Anza	1-29-75	3- 5-76	72,935.	60,435.
SPD Traffic Signals Pre-empt Controls Abbett Electric Corp	2-14-75	69%	31,966.	28,000.
Various Traffic Signals #3 R. Flatland	3-26-75	1-22-76	146,162.	110,862.
Precita Ave at Polson Traffic Signals Abbett Electric Corp	3-28-75	1-14-76	20,462.	20,462.
Various Locations Traffic Signals - Contract 4 R. Flatland	4- 2-75	1-27-76	49,345.	25,245.
Portola Drive Signals Abbett Electric Corp	4-18-75	1-14-76	11,377.	11,377.
Traffic Signals - Contract 3B Abbett Electric Corp	4-18-75	3- 5-76	59,136.	59,136.
Traffic Signals - Contract 2 R. Flatland	6- 6-75	3-23-76	86,421.	86,421.
Traffic Signals - Contract 10 Abbett Electric Corp	8-15-75	69%	161,673.	111,300.
Various Safety Problem Locations Traffic Signals - Contract 1C R. Flatland	8-29-75	88%	45,600.	40,000.
Brotherhood Way - Bicycle Lane Anza	12-31-75	6- 3-76	20,506.	20,506.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
Outer Irving Parking Baya Annuzzi Concrete	1-16-76	4-15-76	20,136.	20,136.
Various Location Signals #5 R. Flatland	3- 3-76	81%	16,740.	13,500.
Traffic Signals - Contract 4 Steiny	3- 5-76	33%	94,116.	30,900.
Traffic Signals - Contract 33 Steiny	4- 2-76	0	86,516.	0.
A-2 TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			445,293.	681,955.

DESCRIPTION AND CONTRACTOR

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
<u>B-1 Reconstruction</u>				
Washington St - Montgomery to Sanacoe O. C. Jones	2-27-74	1-10-75	103,973.	3,673.
Sanchez St - & Liberty S Annuzzi Concrete	2-21-75	10-23-75	216,660.	37,250.
Henry S. - Castro To Noe Rosa	3-21-75	11-20-75	54,403.	37,203.
Suchman St - Grove to Hayes Rosa	4- 2-75	10-21-75	43,180.	36,280.
Redevelopment Area - A-2 - Curbs Annuzzi Concrete	4-11-75	7-30-75	11,509.	11,509.
Sidewalk Ramps for Handicapped Annuzzi Concrete	4-30-75	4-23-76	24,900.	24,900.
Anderson St - Crescent & Jarboe California Paving Co	4-30-75	12-13-75	53,772.	53,772.
Twenty Seventh St - Noe to Sanchez Lowrie Paving	5-14-75	11-10-75	41,967.	41,967.
Clay St - Kearny to Montgomery Rosa	5-23-75	9-30-75	44,998.	44,998.
Galvez Ave - Sidewalk Narrowing E. Mitchell	6- 6-75	4-12-76	336,688.	386,688.
Norfolk St & 12th St Annuzzi Concrete	6-18-75	11-21-75	119,703.	119,703.
France & Italy Avenues O. C. Jones	6-18-75	3- 1-76	32,684.	32,684.
Divisadero St - Pacific to Washington Annuzzi Concrete	6-18-75	1-28-76	80,879.	80,879.
Twenty Second St Annuzzi Concrete	6-18-75	10-23-75	23,691.	23,691.
Fifteenth St - San Bruno to Vermont Lowrie Paving Co	6-18-75	12- 8-75	19,772.	19,772.
Sidewalk Ramps for Handicapped Valentine	6-27-75	3-30-76	38,100.	38,100.
Pilbert St O. C. Jones	6-27-75	93%	24,832.	50,000.
Jones St - Bay to North Point Lowrie Paving Co	1- 2-75	10- 7-75	22,733.	22,738.
Congdon St - Maynard to Silver Lowrie Paving Co	7- 3-75	11-12-75	24,713.	24,713.
Douglas St & 23rd St Pavement and Sewer Beppo Inc.	8- 6-75	2-18-76	98,725.	98,725.
FY 1975 - 1976 - Repair Sidewalks, Curbs, ETC Ferrando	8- 8-75	6-30-76	28,000.	28,000.
Chilton Ave - Bonworth to Southerly Terminus Annuzzi Concrete	8-15-75	12- 8-75	29,088.	29,088.
Divisadero St - Pavement - Sewer & Water Main Lowrie Paving Co.	8-22-75	5-12-76	104,361.	104,361.
Jones, Lombard & Taylor St. Pavement and Sewer O. C. Jones	9- 5-75	5-12-76	150,188.	150,188.
Sidewalk Ramps for the Handicapped - Contract 3 E. Mitchell	9-19-75	1-14-76	21,811.	21,811.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
Portola Drive at 25th St - Sidewalk and Railing Repairs Golden West	10-17-75	1- 9-76	8,833.	8,833.
Sidewalk Ramps for the Handicapped - Contract 4 Miley	3- 3-76	90%	38,714.	35,000.
Cargo Way Improvements Bay Cities	5- 7-76	0	346,236.	0.
B-1 TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			913,467.	1,606,736.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
B-2 Resurfacing				
Valencia & Others Gubit	3-26-75	9- 3-75	162,531.	11,431.
Mission & Other Sts - Resurfacing Lowrie Paving	9- 5-75	5-12-76	234,227.	234,227.
Jerrold Ave - Slurry Seal Bay Slurry Seal	10-17-75	0	20,236.	0.
Resurfacing of City Streets Various McGuire & Hester	5- 7-76	0	137,980.	0.
Third & Fourth Sts - Resurfacing Lowrie Paving	4- 2-76	0	204,154.	0.
B-2 TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			598,597.	245,658.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
C Street Improvement - Assessment				
Gould St. - Salinas to Paul Pacific Pavements	4-26-74	8-14-75	41,632.	41,632.
Minnesota St - South of 22nd St Pacific Pavements	11-28-74	2- 4-76	54,751.	54,751.
Hawes St - Ingerson to Gillman Wm. Cole	4- 2-75	10- 7-75	18,702.	18,702.
C TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			0.	115,145.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
D-1 Pipe Sewers				
Twenty Fourth St - Michigan to Georgia McGuire & Hester	11-20-74	12-10-75	34,659.	2,459.
Market St - Spear St & Stewart Williams	12-20-74	12- 9-75	216,529.	125,729.
Felton & Goettingen St McGuire & Hester	3-14-75	10-21-75	237,683.	237,683.
NPCTP Contract 1 - Force Main in Indiana St Homer J. Olsen	4- 9-75	90%	2,117,291.	1,908,600.
Cortland Ave McGuire & Hester	6-27-75	4-28-76	267,628.	287,628.
Divisadero, Jefferson to Marina Blvd. Nor-Cal Plumbing	7-16-75	12-12-75	25,254.	25,254.
NPCTP - Contract 3A - Force Main Evans to Army Homer J. Olsen	7-30-75	73%	994,775.	725,500.
Bartlett St - 23rd to 24th Sewer Replacement Nor-Cal Plumbing	8- 8-75	83%	28,035.	25,000.
Fier 224 - Sewer Connection for Fire Boat 1 Nor-Cal Plumbing	8-22-75	42%	23,798.	10,000.
Edna St - Montgomery to Hearst Sidewalk & Sewer E. Mitchell	9-19-75	4- 7-76	42,375.	42,375.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
Washington St - Powell to Stockton - Emergency Sewer Annuzzi Concrete	10- 3-75	1- 9-76	36,286.	36,286.
Jefferson St - Taylor to Jones Sewer Relining Dalton Co	10-24-75	4- 8-76	11,869.	11,869.
Houston St at Columbus Sewer Relocation Depco Inc	10-24-75	2-18-76	8,161.	8,161.
Hoe St - Sewer Replacement Soil Engineering	12- 5-75	3-29-76	60,876.	60,876.
Diamond St - Sewer Replacement Lowrie Paving	12- 5-75	3-29-76	32,673.	32,673.
San Bruno Ave - Sewer Replacement Dalton Co	12- 5-75	5-19-76	40,290.	40,290.
Lundy's Lane - Sewer Replacement Annuzzi Concrete	12- 5-75	2- 9-76	6,898.	6,898.
Mile Rock Sewer - Manhole Installations Nor-Cal Plumbing	12-10-75	5-19-76	6,822.	6,822.
Barneveld Ave. - Sewer Enlargement Underground Construction Vuksasin	2- 4-76	44%	331,293.	146,700.
Landis Ave - Sewer Reconstruction Vuksasin	2-18-76	92%	11,935.	11,000.
NPCTP -4- Force Main Kiewit Sons Co	2-18-76	16%	1,379,430.	216,000.
Folk St - Sewer Replacement Depco Inc	2-25-76	87%	55,020.	48,000.
Vallejo St - Lyon to Baker Sewer Replacement Annuzzi Concrete	3-10-76	5-11-76	22,028.	22,028.
Alameda St - Florida to Alabama Sewer Enlargement Depco Inc	3-19-76	0	27,380.	0.
Castro St - 17th to 18th Sewer Enlargement Jardín Inc	3-26-76	90%	42,197.	37,900.
Castro St - 26th to Army Sewer Replacement Depco Inc	6- 9-76	0	16,449.	0.
D-1 TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			3,203,844.	4,075,731.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
D-2 Monolithic Sewers				
Hyde St - Outfall Consolidation Homer J. Olsen	6-12-74	8-29-75	1,695,638.	115,738.
Arthur Ave - Contract 1 Homer J. Olsen	12-27-74	6-11-76	1,377,460.	991,760.
D-2 TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			0.	1,107,498.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
D-3 Water Pollution Control Plants				
Hydrologic & Hydraulic Data System L.F.E. Corp	8-14-70	82%	364,868.	0.
SEWPCP Gas Recirculation Digesters 6 & 10 Scott Co of California	3-23-73	9-24-75	563,770.	17,136.
NPWPCP Outfall Diffusers Havilide - Hastings, Inc	1- 4-74	97%	569,860.	133,200.
SEWPCP Sludge Filtration Hoppe Dalton Corp	4-12-74	3-19-76	471,408.	144,808.
SEWPCP Sedimentation Tank Improvements A.F.B. Contractor	11-23-74	99%	243,205.	238,000.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
Hydrologic Data Acquisition E. Mitchell	3-26-75	11-13-75	174,424.	155,624.
RSMPFC Influent Distribution Channel Mod. Walters- K.G. Construction	5- 9-75	10-23-75	14,233.	14,233.
RSMPFC Headworks Painting Orrell	5-23-75	4-23-76	22,427.	22,427.
SEMPCF Spur Track & Chlorination Improvements Monterey Mechanical	6- 6-75	3-12-76	96,792.	96,792.
NPMPFC Chlorination & Dechlorination Cont 2 McCreary Construction	6- 6-75	78%	361,425.	283,500.
SEMPCF Sludge Filtration 4 Monterey Mechanical	7-16-75	92%	218,175.	200,000.
SEMPCF Laboratory Revisions Goldman	2-25-76	32%	25,951.	8,300.
SEMPCF Dechlorination Facilities Monterey Mechanical	6- 3-76	0	387,838.	0.
D-3 TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			632,024.	1,313,920.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
D-4 Pumping Stations				
D-4 TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			0.	0.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
E Street Beautification				
Market St - Stewart to 7th Trees Comstock & Co	6-27-73	93%	445,436.	0.
Powell & Stockton - California to Broadway - St. Lights Abnett Electric Corp	2- 6-74	10- 9-75	37,244.	534.
Hunters Point Redevelopment Area - St Landscaping Ins. Co. of North America	9- 4-74	87%	26,892.	0.
Sunset Blvd - Irrigation Shooter A.J. Inc	9- 4-74	5- 5-75	69,744.	1,249.
Market St - Furniture Christensen	9-20-74	82%	1,192,226.	570,500.
Laurel Heights - St Lights Abnett Electric Corp	11-27-74	1-15-76	7,312.	56,312.
Market St - UN Plaza Phase 1 Honer J. Olsen	1-23-75	90%	2,464,637	1,555,700.
Haight St Improvement at Stanyan St Hulsar	3-14-75	7-10-75	9,770.	9,770.
Castle Manor St Lights Flatland R	3-14-75	12- 5-75	40,205.	14,205.
Underground Service Conversions Contract 3 Mahoney Elec Co	4-30-75	8- 6-75	1,350.	1,350.
Benches at Bus Stops Contract 2 Tatal Construction Co	6-18-75	11-26-76	23,505.	23,506.
Park Merced Area - St Lights Mahoney Elec Co	6-27-75	3-24-76	110,136.	110,136.
Mission & Otis - Street Landscaping Ace Landscaping	7-16-75	6-10-76	27,536.	27,536.
Mission St - Sidewalk Trees Cagwin & Dornard	7-25-75	1-14-76	36,506.	36,506.
St. Lighting - North Water-front Area Flatland R	8- 8-75	3-18-76	50,140.	50,140.
Turk St - Divisadero to Masonic Street Lights Abnett Electric Corp	8-29-75	2-20-76	35,236.	35,236.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
Market St Reconstruction - Rearrange Path-of-Gold Wiring Steiny & Co	9-19-75	94%	19,449.	18,200.
Judah St - 3th to 19th Sidewalk Trees Munkdale Bros	10-24-75	0	19,152.	0.
Mission Dist. Protected Neighborhood Program Valentine Erectors & Corp	10-29-75	4-15-76	88,313.	88,319.
Underground Service Conversions - Electrical Constr & Sales	12- 3-75	3-24-76	2,730.	2,730.
Army St Circle Landscape Munkdale	12-19-75	5%	135,051.	79,000.
Trumbull St - Street Lights Arc Electrical Co	2-18-76	86%	21,208.	18,000.
Hulr Drive Street Lights Kennedy Electric	2-25-76	58%	17,531.	10,200.
Pillows St - Street Lights Flatland R	2-25-76	42%	78,800.	32,500.
Pillows & Sutter St. Street Lights Mahoney Elec Co. Inc	3-10-76	4%	77,025.	3,400.
Bayshore Blvd - Costs to County Line - St Lights Flatland R	3-19-76	0	286,520.	0.
Inner Richmond Protected Neighborhood Program Annuzzi Concrete	5- 7-76	18%	126,495.	22,600.
Haight St Improvement Program Tatal Construction Co	5-17-76	0	19,158.	0.
Market St Reconstruction UN Plaza Fountain - Phase II Honer J. Olsen	6- 2-76	0	1,580,280.	0.
Underground Service Conversions Contract 5 Sanchez	6-30-76	0	4,501.	0.
E - TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			2,686,037.	2,788,579.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
F Recreation & Park				
Protective Lighting - Contract 1 - Flatland R	7-13-74	12- 3-75	109,390.	9,090.
Jackson Playground Floodlights Mahoney Elec. Co. Inc	9-27-74	7-16-75	150,467.	55,967.
Marina Small Craft Harbor Landscape Munkdale	11-15-74	9-30-75	109,748.	6,448.
Three Childrens Play Area Tatal Construction Co	12-20-74	8-13-75	90,913.	2,613.
Lake Merced Recreational Development Valley Crest	2-28-75	90%	39,328.	12,000.
Webster St. Bush to O'Farrell Median Landscape Landco Corp.	3-28-75	9-30-75	21,404.	1,204.
Marina Small Craft Harbor Sewall California Engineering	4-16-75	11-17-75	44,512.	4,712.
Zoo Pump Station A - Replace Sewage Pumps McCrery	4-18-75	1-28-76	48,250.	48,250.
Visitation Valley Play Area Tatal Construction Co	5- 2-75	10-15-75	50,706.	47,508.
Bay View Playground, Chain Link Fence Alcorn Fence Co	5-16-75	6-11-75	1,866.	1,866.
Park - Presidio Blvd - Irrigation Shooter A.J. Inc	5-21-75	4-28-76	65,938.	65,938.
Franklin Square Rehab. Fitzmaurice	6- 6-75	2-18-76	68,406.	68,406.
Haas Park Development Valley Crest	6-18-75	88%	148,501.	131,000.
Crocker-Amazon Playground Lights Steiny	3-14-75	5-18-76	67,032.	54,032.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
Marina, Berthing Facilities #1 Western	6-18-75	11-13-75	30,206.	30,206.
GG Park - Music Concourse Resurfacing Lowrie Paving	6-18-75	9-23-75	7,929.	7,929.
Candlestick Park - Rehab Elect. Facilities Decker Electric Constr	6-20-75	10- 3-75	2,442.	2,442.
Resurfacing of Playground Courts Malott	6-27-75	11-14-75	24,363.	24,363.
Golden Gate Park Irrigation RP-701 Munkdale Bros	7-16-75	82%	29,734.	24,300.
Sharp Park - Water Mains RP-674 Dalton Construction Co	8- 8-75	1-14-76	22,000.	22,000.
Candlestick Park - Parking Lot Drainage - RP-693 - Lowrie	8-15-75	2- 3-76	55,637.	55,637.
Camp Mather Dining Hall Rehab 2 - RP-704 Bonander Construction	8-20-75	3- 2-76	4,823.	4,823.
S.P. Zoo Gardens, Iron Work and Stairways (RP-695) Golden West	9- 3-75	2- 3-76	7,130.	7,130.
Bernal Playground & Chinese Rec. RP-676 & RP-681 Sibbald Construction Co	9- 5-75	5-18-76	42,852.	42,852.
Telegraph Hill Blvd. Embankment Retention 2 RP-703 Caswin	9-19-75	90%	37,871	34,000.
Golden Gate Park - Resurface Tennis Courts RP-708 Malott	9-19-75	1-14-76	22,122.	22,122.
Stern Grove & Others Protective Lighting (RP-668) Steiner & Co	10- 8-75	64%	186,547.	120,000.
Camp Mather Dining Hall Rehab #1 R-P - 702 - Bonander	8-20-75	3- 2-76	4,946.	4,946.
Chinatown Mini-Park (RP-686) Munkdale Bros	10-10-75	5-19-76	21,940.	21,940.
Francis Herz & St. Mary's Park - Resurface Play Courts (RP-717) Malott	10-31-75	6- 4-76	15,800.	15,800.
Ocean View Playground & Garfield Sq. (RP-682 & RP-690) Miley	12-26-75	0	22,791.	0.
Candlestick Park Gasoline Tank (RP-705)	1-14-76	5-19-76	6,544.	6,544.
Hilton Meyer Rec. Center Improvements (RP-691) Tatal Construction Co	1-16-76	4- 9-76	13,300.	13,300.
Marina Small Craft Harbor - Navigation Lights (RP-714) Electrical Constr & Sales	1-30-76	6- 3-76	8,195.	8,195.
McKinley Sq. Childrens Area (RP-680) Miley	2- 4-76	85%	35,500.	30,000.
Union Square Protective Lighting (RP-696) Civic Electric Co, Inc	3- 3-76	34%	98,970.	33,700.
Precita Park Irrigation (RP-640) Pittsmaurice, Inc	3-19-76	27%	89,317.	24,500.
GG Park - John Muir Trail FOND Development (RP-696) E. Mitchell	3-24-76	61%	20,790.	12,700.
Camp Mather - Freezer Brown & Caldwell	4- 2-76	6- 8-76	7,063.	7,063.
Koshland Park Development (RP-677) Miley	4- 9-76	3%	174,000.	5,700.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
Sharp Park Golf Course Fencing - (RP-707) Anchor	4-14-76	0	4,695.	0.
Marina Small Craft Harbor Replace 2 Gangways (RP-141) Western Dock Enterprises	4-16-76	0	4,182.	0.
Visitation Valley Park Fencing (RP-720) Alcorn Fence Co	4-23-76	0	4,282.	0.
Franklin Square Rec. Improvement (RP-723) Sibbald Construction Co	5-14-76	0	13,625.	0.
Hunters Point Redevelopment Area Galvez Playfield Tatal Construction Co	6-30-76	0	450,000.	0.
F - TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76 1,392,646. 1,091,226				

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
G-1 Buildings & Structures Islais Creek Bridges Repair Early, P. V. Jr	6- 8-73	1- 9-76	110,886.	10,268.
Municipal Asphalt Plant - Exhaust Gas E. Mitchell	7-18-73	97%	105,350.	0.
Third St. Bridge at Islais Creek Fenders Ins. Co. of North America	9-21-73	7-25-75	153,501	100.
Anza & Potrero Branch Library Lighting Electrical Constr. & Sales	3-14-75	1- 9-76	21,856.	17,156.
Elevator Modifications at Various Locations American	3-28-75	9-24-75	28,790.	28,790.
Chain Link Fence at Griffith & Underwood Alcorn Fence	4- 9-75	8-11-75	4,167.	4,167.
Civic Center Powerhouse Boiler Fuel Storage Tanks Fletcher	5-30-75	1-27-76	27,543.	27,543.
San Jose Ave. Retaining Wall Contract 3 Paxton Gralward	6-18-75	33%	354,265.	329,700.
Army St Circle - Earthquake Hinge Restrainers Walters	8-29-75	12- 4-75	69,888.	69,888.
Main Library Annex - Ground Floor Ventilation Colan Heating & Sheet Metal	10-31-75	0	13,979.	0.
Police Station Emergency Power Abbett Electric	11- 7-75	94%	37,328.	35,000.
Third St Bridge at Channel St Structural Mechanical & Painting Thomson W.R. Inc	12-19-75	67%	381,430.	254,700.
City Hall, EDP Condenser Water Discharge - Emergency E. Mitchell	2- 4-76	3-29-76	11,373.	11,373.
MUNI Asphalt Plant - Noise Abatement Monterey Mechanical	3- 5-76	0	69,300.	0.
Central Radio Station Antenna Tower Reliance Enterprises	3-10-76	0	48,210.	0.
G-1 TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76 631,508. 788,605				

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
G-2 Parking Facilities			0.	0.
G-2 TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76 0. 0.				

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
<u>G-3 Slides</u>				
Portola Drive, Slope Stabilization				
Kaplan Jos. Inc	7-19-74	10-23-75	73,227.	17,127.
G-3 TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			0.	17,127.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
<u>G-4 Auxiliary Water Supply</u>				
Fire Protection Pump Station No. 1 - Convert to Diesel S & C Construct Co	5-17-74	95%	790,746.	30,000.
Redevelopment Area A-2 - Fire Protection - Contract 1 Fairry, W.L.	3-14-75	12- 1-75	83,662.	31,862.
Third St - Meriposa to 4th St - AWS S Fairry, W.L.	6- 6-75	3-23-76	178,693.	178,693.
AWS Casting Purchase Olympic Constructor	7-10-74	96%	229,000.	26,249.
AWS Hydrants Purchase Olympic Constructor	3-17-75	12-22-75	235,675.	235,675.
AWS Gate Valve Purchase American	11-20-74	8-12-75	136,580.	24,680.
Command & Control System for SPFD Purchase Systems Science	8-12-74	66%	1,575,864.	721,469.
AWS Castings - Inspect & Test Hunt	9-20-74	4-16-76	2,358.	629.
Fire Protection - High Pressure Pump Sta 2 Daisell Corp	6-27-75	78%	617,000.	483,300.
(Rev) - Fire Protection - Motorized Valves, Various Underground Construction	12-10-75	49%	193,649.	93,900.
Fire Protection - Red. Area A-2 - Contract 2 Underground Construction	12-17-75	91%	243,957.	222,100.
Redevelopment Area E-1 - Fire Protection Phase II E. Mitchell	4-16-76	0	33,277.	0.
G-4 TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			470,883.	2,048,557

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
<u>H-Appointments</u>				
Market St - Architectural Clampl & Warnecke	10-23-68	99%	100,000.	32,681.
Hydraulic Model Water Resources	1-30-70	8-26-75	3,878.	302.
Hydrological Model Water Resources	1-29-70	9-17-75	221,260.	5,931.
Market St Tree Purchase Valley Crest	5-23-70	89%	436,897.	68,224.
Soil Materials Soil & Plant Laboratory	3-12-71	7- 2-75	973.	128.
Arch. & Eng. Service Royston, Hanamoto-etc	3-24-71	3-18-76	46,000.	3,676.
Test Soils Soil & Plant Laboratory	2-16-72	31%	1,000.	313.
Market St - Inspection Clampl & Warnecke	6-26-72	93%	180,000.	42,121.
Lake Merced Plant Architecture Hardison & Komatsu	7-12-72	0	4,500.	0.
Traffic Sign Purchase Toland & Sons	7-14-72	70%	61,552.	15,901.
Upper Market - Architectural Whisler & Patri	10-11-72	5- 6-76	43,423.	22,095.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
Marine Biota Brown & Caldwell	2- 9-73	3- 8-76	301,800.	97,800.
Waste Water Management Gilbert	5-30-73	6-24-76	2,269.	450.
Ocean Toxicity Smith	7-11-73	55%	4,500.	865.
Ocean Toxicity Newcombe	8- 8-73	17%	4,500.	0.
Ocean Toxicity Wilde	8- 8-73	51%	4,500.	1,475.
Ocean Toxicity McGahey	8- 8-73	23%	4,500.	1,050.
San Jose Retaining Wall Howie	4- 3-74	32%	4,953.	583.
Inspect Diffusers Pen-Marine	4- 5-74	8- 6-75	23,429.	9,166.
Cross Trans - Soils Study Woodward	4-17-74	7- 2-75	4,940.	1,207.
Slide Repair Studies Dames & Moore	5-22-74	7- 2-75	4,530.	790.
Overview Facilities Plan Gilbert	5- 3-74	11- 4-75	157,161.	23,508.
Digester Gas Pipe - RSP E. Mitchell	6- 7-74	10- 2-75	23,129.	15,700.
Pump Sed. Tank J.N. Squared	7-17-74	6-17-76	822.	0.
Inspect Shop Welds Testing Engineering	8-28-74	8-15-75	2,464.	0.
Inspect Field Welds Testing Engineering	8-28-74	1-15-76	3,104.	936.
Maintain SPURDAR Honeywell	10-11-74	1- 9-76	42,691.	26,170.
Gelvez Playfield - Plans & Specs Schadt	10-25-74	88%	33,000.	13,675.
Repair Hydrologic System Aldralsices	11-27-74	11- 6-75	4,424.	2,101.
Modify Flow Model University of California	11-27-74	11- 6-75	4,900.	2,450.
Slide Repair Studies Dames & Moore	12- 6-74	76%	4,950.	925.
Evaluate Hydrologic Data Phansartie	12-11-74	5-26-76	15,495.	15,495.
Evaluate Const. Materials A. Hanks	12-18-74	1-13-76	1,840.	815.
Revenue Program Preparation Stone	12-20-74	0	22,000.	0.
Architectural Design of SEWFCP Hardison & Komatsu	1-22-75	1- 8-76	4,984.	889.
Design Criteria - Plants City of Mill	1-22-75	9-17-75	4,900.	4,900.
Hydraulic Model University of California	1-24-75	12- 1-75	4,900.	2,450.
Ocean Toxicity North	2-14-75	34%	4,500.	1,540.
Playground - Plans & Specs Painter	2-21-75	80%	12,000.	6,639.
Waste Water Management Stokes	3- 7-75	3-19-76	31,919.	24,584.
Calibrate Testing Machine Pacific	3- 7-75	7-31-75	426.	426.
Industrial Waste Program City of Mill	3-14-75	0	5,000.	0.
Repair Pumps, Telegraph Hill Pacific	3-14-75	8-12-75	828.	828.
Ocean Outfall - E.I.R. Brown	3-28-75	6-10-76	27,800.00	27,800.
Architectural Service - Rec-Park Royston, Hanamoto-etc.	4- 4-75	89%	20,000.	17,800.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT BARNED
TV Sewer Inspection Aermout	4-16-75	10-17-75	12,000.	9,840.
SEWPCF Waste Gas Utilization S & Q Construction Co	4-16-75	4-21-76	49,729.	49,729.
Evaluate Welding Testing Engineering	4-23-75	89%	25,000.	10,950.
Camera for TV Surveillance J.H.K. Video	4-30-75	0	600.	0.
Soils Study - Outfalls Dames & Moore	4-30-75	98%	108,000.	106,235.
Test Iron Castings Hunt	5- 9-75	10- 9-75	428.	428.
Acoustic & Vibration Tests Waineri	5-14-75	8- 7-75	1,164.	1,164.
Soils Study - Outfalls Cooper	5-21-75	97%	90,800.	88,401.
Soils Investigation Woodward	5-30-75	1-21-76	4,723.	4,723.
Outfall Consolidation - Plans Towill	6- 4-75	8-11-75	4,998.	4,998.
Soils Study - Channel Outfall Woodward	6-11-75	88%	106,000.	92,847.
Soils Study - SEWPCF Woodward	6-11-75	99%	55,600.	55,486.
Model Studies - Pump Sta. University of California	6-13-75	3- 9-76	4,796.	2,396.
Sewer Studies Water Resources	6-13-75	5- 5-76	4,800.	4,800.
Soil Study - SE Plant Woodward	6-20-75	9-26-75	4,799.	4,799.
Underwater Inspection Fan-Marine	6-20-75	25%	20,000.	5,026.
Soil Study - T Plant Harding	6-20-75	98%	121,500.	118,015
Aerial Photos Towill	6-25-75	10- 8-75	4,577.	4,577.
Test Concrete Cores Hanks	6-25-75	12- 5-75	503.	503.
Architectural Design Hardison & Konatsu	6-25-75	53%	5,000.	2,658.
Archaeological Survey Reid	7- 9-75	11-25-75	3,984.	3,984.
SEWPCF Design Work Woodward	7-18-75	10-29-75	1,994.	1,994.
Architectural Model - CWWTF Architectural Models	7-18-75	8-27-75	1,022.	1,022.
Repair HPF Station 1 Ames	7-25-75	10-21-75	5,916.	5,916.
Sewer at Beach & Powell E. Mitchell	7-25-75	10-27-75	23,864.	23,864.
Sewers in Jefferson & Powell Pacific Survey	7-25-75	10-20-75	9,727.	9,727.
Repair HPF Station 1 Ames	8- 6-75	11- 4-75	7,840.	7,840.
SEWPCF Design Gilbert	8- 8-75	5-25-76	4,886.	4,886.
Soils Study - Galvez Playfield Harding	8-13-75	3- 9-76	1,615.	1,615.
Test Stainless Steel Bolts Hanks	8-20-75	9-25-75	408.	408.
Repair HPF Station 1 Pitcher	8-22-75	1-15-76	3,081.	3,081.
Test Construction Materials Hanks	8-27-75	60%	2,000.	1,208.
Investigate Slope Failure Dames & Moore	8-27-75	33%	2,000.	660.
Noise Data Reduction Cartwright	9-17-75	1-21-76	3,165.	3,165.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT BARNED
TV Inspection of Sewers Aermout	9-19-75	4-30-76	14,000.	14,000.
Prepare E.I.R. Resources Engineering	10- 3-75	3-11-76	5,000.	5,000.
Prepare drawings from Photos Towill	10- 3-75	12- 2-75	3,552.	3,552.
Transcript of Hearing on EIR Hotschner	10- 8-75	56%	1,000.	560.
Transcript of Hearing on Julian St Schiller	10-10-75	5-10-76	60.	60.
Store RCP Pipe American	10-15-75	0	1,368.	0.
Acoustical Work at HPFS 2 Waineri	10-17-75	45%	2,000.	899.
Repairs at SEWPCF Hopkins	10-17-75	0	10,000.	0.
Soils Report - Islais Creek Outfalls Woodward	10-17-75	72%	119,000.	86,018.
Repair Hydrologic Data System Airdraulics	10-24-75	85%	4,500.	3,831.
HPFS 1 - Repairs S & Q Construction	10-29-75	55%	11,000.	6,053.
Calibrate Test Machine Pacific Science	10-29-75	3-30-76	1,386.	1,386.
Maintain SPHEHAR Honeywell	11- 5-75	45%	31,000.	15,244.
Petroleum Cleanup - Pump Sta Del Chemical	11- 5-75	12-10-75	5,730.	5,730.
Photos for NSOCP Towill	11-14-75	2- 5-75	4,337.	4,337.
Weld Inspection for NPCCF Feedbody	11-14-75	8%	2,000.	162.
EIR - Islais Creek Outfall Cons. Envir. Impact	11-19-75	2-24-76	5,000.	5,000.
Soils Inv. NP Pump Sta Dames & Moore	11-19-75	5-10-76	4,981.	4,981.
Arch. Plans - West Portal Ave Unisler	12- 3-75	0	35,000.	0.
Aerial Photos of SEWPCF Cartwright	12- 5-75	6- 7-76	690.	690.
Repair GGF Tennis Courts Mallott	12-17-75	5-28-76	750.	750.
Repair Venturi Flowmeter RIF	12-17-75	0	350.	0.
UN Fountain Study Born	12-19-75	5-10-76	4,000.	4,000.
Prepare EI Reports Husey	1-14-76	5-20-76	3,000.	3,000.
Automatic Control in Sewers Water Resources	1-28-76	4%	195,000.	7,337.
Repair HPF Station No. 1 Ames	1-30-76	4-14-76	13,747.	13,747.
Photos for NSOCP & WSTF Towill	1-30-76	4-27-76	2,461.	2,461.
Eng. Consultant NSOCP Jacobs	2- 4-76	30%	10,000.	2,985.
Advice on Operation of NPWPCF White	2- 6-76	0	4,500.	0.
Feasibility Study - WSTF Harder	2-11-76	0	5,000.	0.
Services Related to WPCF CH2M-Hill	2-25-76	5-19-76	5,000.	5,000.
Contract Preparation - IOUCF Jacobs	3- 3-76	37%	10,000.	3,553.
Aerial Photographs Towill	3-10-76	0	1,280.	0.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
Contract Prep. COCP Jacobs	3-10-76	33%	10,000.	3,274.
Contract Prep. WSTP Jacobs	3-10-76	0	10,000.	0.
Inspect Welding Hanks	3-12-76	63%	2,000.	1,371.
Waste Dispersion Tests Brown & Caldwell	3-12-76	4-21-76	4,300.	4,300.
Waste Water Master Plan Spectrum	3-17-76	70%	5,000.	3,514.
MFC Program Brown & Caldwell	3-13-76	0	10,000.	0.
Drawings for WSTP Towill	3-31-76	0	4,152.	0.
Evaluate Hydrologic Phenartzis	4- 7-76	6%	26,500.	1,689.
EIR Sahn	4-14-76	39%	5,000.	1,940.
Drawings for COCP Towill	4-16-76	6- 8-76	1,350.	1,350.
Transcript of Judah St. Imp. Schiller	4-16-76	0	600.	0.
Archaeological Survey Heid	4-21-76	0	2,000.	0.
Repair Traffic Signals Abbett Electric Corp	4-23-76	0	5,000.	0.
TV Sewer Inspection Aernout	4-28-76	27%	14,000.	3,767.
Pump Station Model Hydro	4-28-76	9%	50,000.	4,531.
Archaeological Work Heid	5- 5-76	6-23-76	1,298.	1,298.
Water Pollution Control CH2 M-Hill	5- 7-76	0	5,000.	0.
Cultural Inventory Arch Resources	5-19-76	6-30-76	1,365.	1,365.
Test Pipe Coating Corrosion	5-21-76	0	1,000.	0.
Repair Digester RSWPCP Golden West	5-28-76	0	4,500.	0.
Design SEMPCP CH2 M-Hill	6- 4-76	0	4,048,000.	0.
Repair Leaks HPFS #1 Del Chemical	6-16-76	0	1,684.	0.
Critical Path System Daniel	6-18-76	0	413,605.	0.
Architectural Service Harrison	6-18-76	0	993,040.	0.
Waste Water Plan Gilbert	6-25-76	0	5,000.	0.
Soils Investigation Dewes & Moore	6-25-76	0	5,000.	0.
NWPCP Repair Pacific Pump	6-25-76	0	35,000.	0.
NWPCP Repairs Ferry	6-25-76	0	83,700.	0.
Design Pump Station Kennedy	6-30-76	0	470,000.	0.
Investigate Ground Water Corrosion	6-30-76	0	5,000.	0.
Test Materials Testing Engineering	6-30-76	0	2,000.	0.
H - TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			6,813,888.	1,367,521.

DESCRIPTION AND CONTRACTOR	AWARDED	COMPLETION DATE OR %	CONTRACT AMOUNT	AMOUNT EARNED
<u>BART - APPOINTMENTS</u>				
Castro St Station	1-17-73	0	127,191.	0
Church St Station - Desulfification	<u>4-16-75</u>	0	<u>106,600.</u>	0
Castro St Station	7-23-75	0	27,000.	0
Castro St Station - Sewer	8-20-75	2- 4-76	19,430.	19,430.
TOTAL AWARDED & EARNED DURING FISCAL YEAR 75-76			46,430.	19,430.

APPENDIX II
BUREAU OF ARCHITECTURE
CURRENT CONTRACT DATE SUMMARY

Showing All Contract Work Awarded or Under Construction
July 1, 1975 - June 30, 1976

I Contracts Awarded During Fiscal Year 1975-1976

Table	Type of Construction	Contracts No.	Awarded Aggregate Value	Amount Expended Fiscal Year 1975-1976
A	S.F. Community College Dist.	0	0	0
A-1	New School Construction	2	\$ 896,561.00	\$ 541,982.00
A-2	Misc. Alterations - Schools	25	7,394,268.00	4,212,580.00
A-3	Acoustical	3	11,489.00	11,489.00
A-4	Roofing Jobs	2	48,170.00	48,170.00
A-5	Resilient Flooring	0	0	0
A-6	Int. & Ext. Painting	11	52,325.00	37,940.00
A-7	Yard Paving	2	47,958.00	11,849.00
B-1	Fire Dept. - New Const.	0	0	0
B-2	Fire Dept. - Alterations	0	0	0
C-1	S.F. General Hospital	1	52,392.00	0
C-2	Laguna Honda Hospital	1	114,000.00	0
C-3	Health Center Buildings	1	6,130.00	6,130.00
D	De Young Memorial Museum	0	0	0
E	Youth Guidance Center	0	0	0
F	Civic Center	11	498,111.00	347,348.00
G	Hall of Justice	1	12,517.00	8,899.00
H	Miscellaneous	11	7,812,683.00	395,200.00
	Sub Totals	71	\$16,946,604.00	\$ 5,621,587.00

II Other Contracts Under Construction During Fiscal Year 1975-1976

Table	Type of Construction	Contracts No.	Awarded Aggregate Value	Amount Expended Fiscal Year 1975-1976
A	S.F. Community College Dist.	6	\$15,334,923.00	\$ 4,566,952.00
A-1	New School Construction	4	4,055,324.00	1,342,044.00
A-2	Misc. Alterations - Schools	47	27,473,544.00	12,101,861.00
A-3	Acoustical Work	0	0	0
A-4	Roofing Jobs	0	0	0
A-5	Resilient Flooring	0	0	0
A-6	Int. & Ext. Painting	0	0	0
A-7	Yard Paving	2	136,478.00	104,899.00
B-1	Fire Dept. - New Const.	2	1,650,341.00	519,402.00
B-2	Fire Dept. - Alterations	1	325,768.00	288,794.00
C-1	S.F. General Hospital	3	30,032,173.00	5,747,207.00
C-2	Laguna Honda Hospital	2	29,922.00	6,939.00
C-3	Health Center Buildings	0	0	0
D	De Young Memorial Museum	2	98,488.00	27,244.00
E	Youth Guidance Center	2	46,319.00	25,198.00
F	Civic Center	4	171,860.00	74,743.00
G	Hall of Justice	5	154,686.00	87,006.00
H	Miscellaneous	10	1,145,340.00	864,399.00
	Sub Totals	89	\$80,655,166.00	\$25,756,688.00

III All Contracts Awarded or Under Construction Fiscal Year 1975-1976

Table	Type of Construction	Contracts No.	Awarded Aggregate Value	Amount Expended Fiscal Year 1975-1976
A	S.F. Community College Dist.	6	\$15,334,923.00	\$ 4,566,952.00
A-1	New School Construction	6	4,951,885.00	1,884,026.00
A-2	Misc. Alterations - Schools	72	34,867,812.00	16,314,441.00
A-3	Acoustical Work	3	11,489.00	11,489.00
A-4	Roofing Jobs	2	48,170.00	48,170.00
A-5	Resilient Flooring	0	0	0
A-6	Int. & Ext. Painting	11	52,325.00	37,940.00
A-7	Yard Paving	4	184,436.00	116,748.00
B-1	Fire Dept. - New Const.	2	1,650,341.00	519,402.00
B-2	Fire Dept. - Alterations	1	325,768.00	288,794.00
C-1	S.F. General Hospital	3	30,084,565.00	5,747,207.00
C-2	Laguna Honda Hospital	3	143,922.00	6,939.00
C-3	Health Center Buildings	1	6,130.00	6,130.00
D	De Young Memorial Museum	2	98,488.00	27,244.00
E	Youth Guidance Center	1	46,319.00	25,198.00
F	Civic Center	15	669,971.00	422,091.00
G	Hall of Justice	6	167,203.00	95,905.00
H	Miscellaneous	21	8,958,023.00	1,259,599.00
	Total	160	\$97,601,770.00	\$31,378,275.00

CURRENT CONTRACT DATA 1975-76

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A SAN FRANCISCO COMMUNITY COLLEGE DISTRICT					
City College of S.F. (3533) General Construction Arntz	2-21-73	99%	\$ 1,295,014.	\$ 158,804.	S.F.Comm. College
City College of S.F. (3688) Social Science Classroom & Lab Bldg.(Cloud Hall East) The Pacific Company	8-23-74	48%	\$ 6,929,145.	\$ 2,285,145.	S.F.Comm. College
City College of S.F. (3721) Downtown Community College Education Center Dickman Construction, Inc. & Dickman Builders, Inc. JV	6-20-75	32%	\$ 6,959,420	\$ 2,054,317.	S.F.Comm. College
City College of S.F. (3665) Relocatable Bldg. to a Radiologic Tech. Lab. Transwestern Const. Co.	5-3-74	6-4-75	\$ 57,751.	\$ 20,431.	S.F.Comm. College
City College of S.F. (3711) Relocation of Portable Bldg. The Pacific Company	9-20-74	1-31-75	\$ 51,575.	\$ 6,237.	S.F.Comm. College
City College of S.F. (3800) Nursing/Allied Health Learning Center Herbert Petersen & Sons	6-27-75	12-16-75	\$ 42,018.	\$ 42,018.	S.F.Comm. College
Total Aggregate Value and Amount Expended			\$15,334,923.	\$ 4,566,952.	
A-1 NEW SCHDDL CONSTRUCTION					
Treasure Island School (3584) New Classrooms Mapco JV	3-29-74	10-7-75	\$ 926,008.	\$ 146,725	Field Act Project
Treasure Island School (3600-R) Four Classroom Addition Mapco JV	9-25-74	85%	\$ 349,000.	\$ 89,151.	Field Act Project
Daniel Webster Elem. School (3585-R) New Classroom & Admin. Bldg. Arntz Bros.	7-26-74	12-29-75	\$ 1,681,425.	\$ 588,960.	District
Mission Staging School (3707) General Construction Nibbi Bros., Inc.	12-18-74	6-14-76	\$ 1,098,891.	\$ 517,208.	Field Act Project
Chinese Education Center (3723-R) General Construction Arntz Contracting Co. & Beacon Const. Co., JV	9-5-75	59%	\$ 705,626.	\$ 376,860.	Field Act Project
Mission Children's Center (3738) Addition M & H Construction Co.	9-5-75	98%	\$ 190,935.	\$ 165,122.	Children's Center
Total Aggregate Value and Amount Expended			\$ 4,951,885.	\$ 1,884,026.	
A-2 MISC. ALTERATIONS					
Mission High School (3500) Reconstruction, Phase I S. J. Amoroso Const. Co.	8-5-73	8-7-75	\$ 1,941,771.	\$ 1,101,605.	Field Act
J Eugene McAteer High School (3609) Wire Mesh Enclosures Anchor Post Products, Inc. of California	11-21-73	5-8-74	\$ 17,827.	\$ 1,927.	District
Alvarado School (3534-R) Reconstruction De Narde Const. Co.	12-21-73	11-4-74	\$ 896,053.	\$ 93,589.	Field Act
Board of Education (3661) Carpeting Room 209 Floor Styles Commercial Corporation	4-19-74	3-3-76	\$ 1,821.	\$ 1,821.	District
West Portal School (3627) New 4 Classroom Bldg. Mapco Constr. Corp.	4-19-74	8-19-75	\$ 197,956.	\$ 63,966.	Field Act
Lafayette School (3588) Reconstruction De Narde Construction Co.	4-24-74	10-23-75	\$ 1,167,398.	\$ 260,475.	Field Act
Dudley Stone School (3536) Reconstruction Arntz Bros., J.W. & Sons Inc. & Arntz Contracting Company	5-29-74	11-12-75	\$ 1,075,787.	\$ 308,741.	Field Act

CURRENT CONTRACT DATA 1975-76

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
Galileo High School (3602) Reconst. of Gym Bldg. Nibbi Bros., Inc.	5-29-74	6-18-75	\$ 337,504.	\$ 45,223.	Field Act
Horace Mann Jr. High School (3618) Reconst. Phase I De Narde Const. Co.	5-29-74	11-12-75	\$ 1,409,127.	\$ 207,543.	Field Act
Abraham Lincoln High School (3672) Replace Underground Steam Pipe Broadway Plumbing Co., Inc.	6-26-74	11-12-75	\$ 94,406.	\$ 13,039.	District
Francisco Jr. High School (3647) Reconstruction Work Nibbi Bros., Inc.	6-26-74	9-25-75	\$ 791,416.	\$ 259,392.	Field Act
Sherman School (3526-R) Phase I - Reconstruction A & P Construction	7-17-74	4-16-75	\$ 42,075.	\$ 4,587.	Field Act
J Eugene McAteer High School (3683) Grandstand & Misc. Work S. J. Amoroso Const. Co.	7-17-74	9-11-75	\$ 458,135.	\$ 110,767.	District
John O'Connell School of (3678) Technology - Relocation of Shoe Repair Shop A & P Construction	8-9-74	6-20-75	\$ 17,753.	\$ 1,936.	District
Balboa High School (3610) Reconst., Phase I Arntz Bros., Arntz Con- tracting Co., & J.W. & Sons, Inc., JV	8-21-74	60%	\$ 2,399,679.	\$ 918,278.	Field Act
Presidio Jr. High School (3589) Reconstruction Beacon Const. Co., J.W. & Sons, Inc. & K.Y. & Sons, Inc., A JV	8-28-74	99%	\$ 3,405,926.	\$ 1,390,167.	Field Act
Commodore Stockton Annex (3603) Reconstruction Nibbi Bros., Inc.	8-28-74	3-3-75	\$ 447,057.	\$ 59,985.	Field Act
J Eugene McAteer High School (3699) Toilet Additions to Cafeteria S. J. Amoroso Const. Co.	9-13-74	7-2-75	\$ 118,970.	\$ 25,906.	District
Horace Mann Jr. High School (3674) Reconstruction, Phase 2 W & H Construction Co.	9-25-74	99%	\$ 438,481.	\$ 18,381.	Field Act
Le Conte Children's Center (3698) General Construction Transwestern Const. Co.	9-25-74	5-29-75	\$ 139,560.	\$ 25,637.	Children's Center
Treasure Island School (3710) Undergrounding of Overhead Line & Pole Line Modifications Mapco, A JV	9-25-74	9-11-75	\$ 43,506.	\$ 7,492.	Field Act
John Muir School (3623) Reconstruction Work S. J. Amoroso Const. Co.	10-23-74	2-26-76	\$ 983,071.	\$ 363,903.	Field Act
Sheridan School (3620) New Portable Classroom Bldg. Christensen & Foster	10-23-74	5-12-75	\$ 836,293.	\$ 95,552.	Field Act
Raphael Weill School (3619) Reconstruction Work De Narde Const. Co.	11-15-74	99%	\$ 1,096,041.	\$ 443,387.	Field Act
Edison School (3613) Reconstruction Work Nibbi Bros., Inc.	11-15-74	6-2-76	\$ 1,144,505.	\$ 613,949.	Field Act
Hawthorne School (3599) Reconstruction Work Nibbi Bros., Inc.	12-18-74	5-14-76	\$ 1,148,665.	\$ 569,601.	Field Act
Alano School (3629) Landscaping Work Sibbald Construction	12-18-74	7-15-75	\$ 7,035.	\$ 984.	Field Act
West Portal School (3590) Reconstruction-Phase I De Narde Const. Co.	1-8-75	6-16-76	\$ 990,797.	\$ 508,322.	Field Act

CURRENT CONTRACT DATA 1975-76

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. Alterations (continued)					
Marshall School Annex (3718) New Shelter A & P Construction Inc.	2-19-75	8-22-75	\$ 8,783.	\$ 8,783.	Field Act
E. R. Taylor School (3612) Reconstruction Work Martinelli Const. Co.	4-25-75	6-15-76	\$ 1,220,840.	\$ 1,122,379.	Field Act
Luther Burbank Jr. High (3757) School - Fire Damage Repair De Narde Construction Co.	5-7-75	2-27-76	\$ 79,197.	\$ 36,466.	District
Monroe School Phase I (3697-A) Reconstruction Cleveland Wrecking Co.	5-21-75	12-29-75	\$ 24,531.	\$ 24,531.	Field Act
Mission High School (3774) Reconstruction, Phase II Cleveland Wrecking Co.	5-30-75	8-8-75	\$ 82,600.	\$ 82,600.	Field Act
Everett Jr. High School (3614) Reconstruction Work Nibbi Bros., Inc.	5-21-75	90%	\$ 2,914,408.	\$ 2,363,744.	Field Act
Portola Jr. High School (3776) Reconstruction - Phase I Edward Company	6-4-75	8-29-75	\$ 8,422.	\$ 8,422.	Field Act
Bryant School (3778) Reconstruction Work - Phase I Edward Company	6-4-75	7-30-75	\$ 6,185.	\$ 6,185.	Field Act
Fairmount Elem. School (3768) Reconstruction - Phase I A & P Construction Inc.	6-6-75	11-17-75	\$ 122,798.	\$ 122,798.	Field Act
Roosevelt Jr. High School (3770) Construction - Phase I A & P Construction Inc.	6-6-75	4-28-75	\$ 112,608.	\$ 112,608.	Field Act
Emerson School (3780) Reconstruction - Phase I Toilet Rooms Transwestern Const. Inc.	6-6-75	1-20-76	\$ 51,654.	\$ 51,654.	Field Act
McKinley School (3781) Reconstruction - Phase I Site Services Nibbi Bros., Inc.	6-6-75	12-12-75	\$ 26,604.	\$ 26,604.	Field Act
Marshall School (3786) Reconstruction Work - Phase I Relocation of Portable Classroom H. W. Rahlmann Co.	6-6-75	7-14-75	\$ 13,164.	\$ 13,164.	Field Act
Geary School (3659-A) Reconstruction - Phase I Transwestern Const. Inc.	5-30-75	5-25-76	\$ 17,738.	\$ 17,738.	Field Act
Parkside School (3784) Reconstruction - Phase I Herbert Petersen & Sons	5-30-75	8-14-75	\$ 11,324.	\$ 11,324.	Field Act
Sunnyside School (3773) Reconstruction - Phase I Demolition Ferma Corp.	5-30-75	11-28-75	\$ 4,390.	\$ 4,390.	Field Act
Page-Broderick Children's (3789) Center - New Stainless Steel Kitchen Countertop Robert Thoma	6-25-75	11-4-75	\$ 2,100.	\$ 2,100.	District
San Miguel School (3777-R) Reconstruction - Phase I Edward Company	7-11-75	8-14-75	\$ 5,600.	\$ 5,600.	Field Act
E. R. Taylor School (3788) Bungalow Conversion Children's Center Nibbi Bros., Inc.	7-11-75	12-15-75	\$ 103,811.	\$ 103,811.	District
Sheridan School (3795-R) Reconstruction - Phase II Adam Arras & Son Inc.	7-11-75	8-22-75	\$ 88,899.	\$ 88,899.	Field Act
Various Schools (3799) Sutro, McCoppin & Peabody Schools - Reconst. Phase I Nibbi Bros., Inc.	7-11-75	11-14-75	\$ 14,468.	\$ 14,468.	Field Act
Guadalupe School (3779) Reconstruction-Phase I Relocation of Utilities Transwestern Const. Inc.	6-6-75	8-31-75	\$ 32,924.	\$ 32,924.	Field Act

CURRENT CONTRACT DATA 1975-76

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-2 MISC. ALTERATIONS (continued)					
Laguna-Golden Gate Children's Center, Patio-Kitchen Alter. Ernie Lowe Construction	7-18-75	12-18-75	\$ 7,954.	\$ 7,954.	Children's Center
Various Sites, Phase I (3790) Bungalow Reconstruction A & P Construction Co.	9-17-75	2-23-76	\$ 13,338.	\$ 13,338.	District
J. Eugene McAteer High School (3813) New Footing Drain Music Building Soils Engineering Const.	9-24-75	1-7-75	\$ 6,800.	\$ 6,800.	Maintenance & Operations
Horace Mann Jr. High School (3763) Reconstruction - Phase III Nibbi Bros., Inc.	8-22-75	98%	\$ 347,104.	\$ 310,324.	District
Former Grant School (3734-R) New Wood Fence and Irrigation Work Moore Construction Co.	11-14-75	12-31-75	\$ 6,900.	\$ 6,900.	District
Corbett School (3819) New Ramp & Retaining Wall Florence Woodcraft Co.	10-15-75	3-23-75	\$ 15,001.	\$ 15,001.	District
Alamo School (3822) Electrical Alterations and Additions Decker Electric Co.	11-14-75	4-26-75	\$ 4,379.	\$ 4,379.	Field Act
Sherman School (3761) Reconstruction Work Phase II Nibbi Bros., Inc.	10-10-75	60%	\$ 1,188,976.	\$ 839,643.	District
Mission High School (3594-R) Reconstruction - Phase II DeNarde Const. Co.	11-14-75	57%	\$ 5,395,625.	\$ 2,707,149.	Field Act
Gough-Page Children's Center (3804) Kitchen Alterations Herbert Peterson & Sons	11-26-75	5-26-76	\$ 7,094.	\$ 7,094.	Children's Center
Treasure Island School (3825) Revisions to Existing Fire & Sprinkler Alarm System Rudolph Electric	11-5-75	0	\$ 4,189.	\$ 0	Field Act
Treasure Island School (3815-R) Grading & Site Work O. C. Wiley, Jr. Trucking & Excavating	11-5-75	98%	\$ 9,900.	\$ 8,821.	Field Act
Corbett School (3820) Electrical Additions Teacher's Learning Center Bohlen Electric	10-24-75	3-1-76	\$ 4,459.	\$ 4,459.	District
Hancock School Children's (3837) Center - New Carpeting Monroe-Schneider Assoc.	12-3-75	1-21-76	\$ 2,500.	\$ 2,500.	Children's Center
Board of Education (3687-R) 801 Toland St., New Office Area - New Flooring Work James A. Smith Co.	1-23-76	3-19-76	\$ 5,585.	\$ 5,585.	Maintenance & Operations
Board of Education (3844) Room 118 - New Carpeting James A. Smith Co.	1-23-76	3-24-76	\$ 1,093.	\$ 1,093.	District
E. R. Taylor School (3831) Window Replacement Erbentraut & Summers	12-3-75	6-4-76	\$ 36,085.	\$ 36,085.	District
Farragut Children's Center (3836) Kitchen & Toilet Alterations Transwestern Const., Inc.	3-12-76	55%	\$ 65,507.	\$ 32,677.	Children's Center
Various - Commodore Stockton (3861) & Farragut Children's Centers Transwestern Const., Inc.	4-23-76	0	\$ 4,721.	\$ 0	Children's Center
Winfield Scott School (3758) Reconstruction Work Terra Cotta Anchorage Nibbi Bros., Inc.	6-16-76	0	\$ 48,417.	\$ 0	Field Act
Jefferson Nursery (3863) Toy Storage Bldg. Litchfield Const. Co.	6-25-76	0	\$ 5,863.	\$ 0	Children's Center

CURRENT CONTRACT DATE 1975-76						
Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund	
A-2 MISC. ALTERATIONS (continued)						
Galileo High School (3605) Reconstruction of East Building Oe Narde Construction Co.	9-13-74	99%	\$ 1,614,418.	\$ 537,292.	Field Act	
Total Aggregate Value and Amount Expended			\$15,334,923.	\$ 4,566,952.		
A-3 ACOUSTICAL WORK						
Gough-Page Children's (3787) Center - Acoustical & Related Work The Sono-Ceil Company	6-25-75	9-2-75	\$ 2,894.	\$ 2,894.	Children's Center	
Aptos Jr. High School (3670) New Ceilings, Lights & Misc. Work Wm. McIntosh & Son	8-6-75	9-22-75	\$ 5,696.	\$ 5,696.	Field Act	
Board of Education (3689-R) New Acoustical Ceilings New Office Area 801 Toland Street Larison Bldg. Specialties	1-23-76	3-24-76	\$ 2,899.	\$ 2,899.	Maintenance & Operation	
Total Aggregate Value and Amount Expended			\$ 11,489.	\$ 11,489.		
A-4 ROOFING JOBS						
E. R. Taylor School (3764) Re-roofing Sunset Roofing Co.	9-5-75	12-4-75	\$ 29,314.	\$ 29,314.	Field Act	
Board of Education (3793) New Roofing, Warehouse & Office Bldgs., 801 Toland Bender Roofing Inc.	11-26-75	11-26-75	\$ 18,856.	\$ 18,856.	Maintenance & Operations	
Total Aggregate Value and Amount Expended			\$ 48,170.	\$ 48,170.		
A-6 PAINTING						
Bessie Carmichael School (3809) Fire Retardant Painting R. P. Paoli Company	8-20-75	10-30-75	\$ 1,925.	\$ 1,925.	Field Act	
Farragut School (3803) Children's Center Interior Painting J. Wm. Sorensen, Inc.	7-18-75	8-19-75	\$ 6,286.	\$ 6,286.	Children's Centers	
Abraham Lincoln High School (3811) Fire Retardant Painting George E. Masker Inc.	9-5-75	11-17-75	\$ 3,820.	\$ 3,820.	Field Act	
Various Schools (3808) Hillcrest, Buena Vista Annex, Luther Burbank & Herbert Hoover Schools Fire Retardant Painting George E. Masker, Inc.	8-20-75	10-29-75	\$ 4,521.	\$ 4,521.	Field Act	
Various Schools (3810) Geo. Washington and Lowell High School Fire Retardant Painting George E. Masker, Inc.	8-20-75	10-29-75	\$ 4,595.	\$ 4,595.	Field Act	
Hancock School Children's (3838) Center - Assembly Room Painting A. Quandt & Sons, Inc.	12-3-75	1-21-76	\$ 1,547.	\$ 1,547.	District	
A-6 PAINTING (continued)						
Various - Gough-Page Children's (3848) Center, Edison Children's Center - Exterior Painting J. Wm. Sorensen, Inc.	3-3-76	99%	\$ 9,491.	\$ 8,456.	Children's Center	
Excelsior Children's Center (3851) Interior Painting W. G. Thompson Co.	3-10-76	5-26-76	\$ 6,790.	\$ 6,790.	Children's Center	
Commodore Stockton (3852) Interior Painting R. P. Paoli & Co.	5-12-76	0	\$ 6,350.	0	Children's Center	
Various - Francis Scott Key (3876) Annex & Jefferson School Children's Centers Interior Painting Harris Painter Contractors	6-25-76	0	\$ 3,500.	0	Children's Center	
Candlestick Children's Center (3873) Exterior & Interior Painting Harris Painter Contractors	6-25-76	0	\$ 3,500.	0	Children's Center	
Total Aggregate Value and Amount Expended			\$ 52,325.	\$ 37,940.		

CURRENT CONTRACT DATA 1975-76

Description & Contract	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
A-7 YARD PAVING					
Abraham Lincoln High School (3747) Yard Paving & Repair Pacific Surfacing, Inc.	12-18-74	5-9-75	\$ 39,274.	\$ 7,695.	District
Mission Staging School (3766) Playground Development Adam Arras & Son, Inc.	12-23-74	5-19-76	\$ 97,204.	\$ 97,204.	Field Act
Ridgeview Children's Center (3828) New Playground, John McLaren Park - O.C. Miley, Jr. Trucking and Excavating	12-31-75	6-15-76	\$ 11,849.	\$ 11,849.	Children's Center
Various - Potrero Terrace (3877) Children's Center & Argonne Children's Center Renovation of play yards Tamel Const. Co.	6-25-76	0	\$ 36,109.	\$ 0	Children's Center
Total Aggregate Value and Amount Expended			\$ 184,436.	\$ 116,748.	
B-1 FIRE DEPARTMENT - NEW CONSTRUCTION					
Engine Co. No. 3 (3486-R) Gen. Construction Stenmark Construction Co.	2-6-74	47%	\$ 564,341.	\$ 279,249.	Fire Dept. Bond Issue
Engine Co. No. 1 (3591) Gen. Construction Perini Corporation	5-10-74	9-12-75	\$ 1,086,000.	\$ 240,153.	Fire Dept. Bond Issue
Total Aggregate Value and Amount Expended			\$ 1,650,341.	\$ 519,402.	
B-2 FIRE DEPARTMENT ALTERATIONS					
Central Fire Alarm (3634) Station Alterations Wm. McIntosh & Sons	5-28-75	0	\$ 325,768.	\$ 288,794.	Fire Dept.
Total Aggregate Value and Amount Expended			\$ 325,768.	\$ 288,794.	
C-1 SAN FRANCISCO HOSPITAL					
S.F. Medical Center (3300-R) Hospital Building The Wm. Simpson Const. Co.	6-9-71	98%	\$30,018,556.	\$ 5,742,270.	S.F. Medical Center
S.F. General Hospital (3446-R) Enclose Main Stairs Psychiatric Bldg. 90 A & P Construction Co.	11-28-73	99%	\$ 11,844.	\$ 3,164.	General
S.F. General Hospital (3703) Surgical Lights, Bldg. #1 Crown Iron Works	7-26-74	9-25-75	\$ 1,773.	\$ 1,773.	General
S.F. General Hospital (3834) Dishwasher Scrapping Table & Conveyors Madsen Constr. Co.	3-24-76	0	\$ 52,392.	\$ 0	General
Total Aggregate Value and Amount Expended			\$30,084,565.	\$ 5,747,207.	
C-2 LAGUNA HONDA HOSPITAL					
Laguna Honda Hospital (3646) Range Hood Dry Chemical Fire Protection System Main Kitchen Firemaster	5-22-74	10-8-75	\$ 4,257.	\$ 4,257.	General
Laguna Honda Hospital (3695) Hot Water Controls for Dishwashers Goldman & Son	5-24-74	2-5-76	\$ 25,665.	\$ 2,682.	General
Laguna Honda Hospital (3835) Modernization of Laundry Facility Moore Const. Co.	6-9-76	0	\$ 114,000.	\$ 0	General
Total Aggregate Value and Amount Expended			\$ 143,922.	\$ 6,939.	
C-3 HEALTH CENTER BUILDINGS					
Central Emergency Medical (3791) Alterations to Sexual Assault Victim Treatment Facility, Dept of Public Health Herbert Petersen & Sons	11-5-75	4-15-76	\$ 6,130.	\$ 6,130.	General
Total Aggregate Value and Amount Expended			\$ 6,130.	\$ 6,130.	

CURRENT CONTRACT DATA 1975-76

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
O OE YOUNG MEMORIAL MUSEUM					
Museums (Fine Arts) of S.F. (3709)					
De Young Memorial Museum					
Calif. Palace of Fine Arts					
Security & Fire Detection					
System					
Decker Electric Co.	10-16-74	8-1-75	\$ 82,224.	\$ 10,980.	General
De Young Memorial Museum (3765)					
East Wing-Skylight					
Reconstruction					
Collier Bldg. Specialties					
Installed by					
Bertino Const. Corp.	5-7-75	12-23-75	\$ 16,264.	\$ 16,264.	General
Total Aggregate Value and Amount Expended			\$ 98,488.	\$ 27,244.	
E YOUTH GUIDANCE CENTER					
Youth Guidance Center (3713)					
Renovations to Cottage B-2					
Transwestern Const. Co.	9-20-74	9-1-75	\$ 46,319.	\$ 25,198.	General
Total Aggregate Value and Amount Expended			\$ 46,319.	\$ 25,198.	
F CIVIC CENTER					
City Hall - County Clerk's (3730)					
Office - Alterations					
Transwestern Const. Inc.	11-13-74	8-13-75	\$ 32,042.	\$ 4,831.	General
Mission Pool & Playground (3598)					
Rehabilitation					
S. Chr. Jorgensen	11-20-74	3-23-76	\$ 115,455.	\$ 45,549.	General
War Memorial Opera House (3720)					
Safety Modifications to					
Freight Elevators					
Montgomery Elevator Co.	1-22-75	7-30-75	\$ 9,375.	\$ 9,375.	General
City Hall (3794)					
Toilet Facilities for					
the Handicapped					
H. E. Rahlmann Co.	7-25-75	95%	\$ 8,957.	\$ 7,658.	General
Main Library (3756)					
Reconst. & Relocation of					
print shop from 45 Hyde					
to Main Library					
Herbert Petersen & Sons	4-18-75	8-5-75	\$ 14,988.	\$ 14,988.	General
City Hall (3771)					
EOP Section, New Access					
Protection & Security					
Hadsen Const. Co.	9-5-75	99%	\$ 62,269.	\$ 54,227.	General
City Hall - Phase I (3760)					
Masonry Waterproofing					
& Skylight Reconst.					
Nibbi Bros., Inc.	9-5-75	99%	\$ 172,967.	\$ 154,113.	General
City Hall - Superior Court (3826)					
Recarpeting for Judges					
Chamber & Ante Room					
Department 7					
Monroe Schneider Associates	10-15-75	3-30-76	\$ 1,212.	\$ 1,212.	General
City Hall - County Clerk's (3735)					
Office, Room 317 - Signs					
Architectural Graphic					
Systems, Inc.	8-15-75	11-20-75	\$ 809.	\$ 809.	General
War Memorial Opera House (3841)					
Repair of front					
sidewalk stairs					
Western Waterproofing Co.	12-26-75	3-23-76	\$ 8,400.	\$ 8,400.	General
War Memorial Opera House (3846)					
Recarpeting					
Conklin Bros. Inc.	2-18-76	0	\$ 26,900.	\$ 0	General
War Memorial Opera House (3832)					
Metal Gates, South					
Promenade Mezzanine Level					
Contractor's Iron Works	1-28-76	7-7-76	\$ 12,426.	\$ 12,426.	General
War Memorial Opera House (3850)					
Specifications for					
reupholstering seats					
Don Ermann Associates	3-5-76	60%	\$ 107,426.	\$ 54,130.	General
War Memorial Opera House (3858)					
Renewal of Stage Floor					
Wm. McIntosh & Son	3-17-76	95%	\$ 63,595.	\$ 54,373.	General
War Memorial Opera House (3827-S)					
Safety Modifications					
Elevator No. 6					
American Elevator Co.	5-7-76	0	\$ 33,150.	\$ 0	General
Total Aggregate Value and Amount Expended			\$ 669,971.	\$ 422,091.	

CURRENT CONTRACT DATA 1975-76

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
G HALL OF JUSTICE					
Hall of Justice (3607) Municipal & Superior Court Security Measures, Phase I Cormac (Adams, Kuns & Philipps)	11-21-73	11-11-75	\$ 45,400.	\$ 38,580.	General
Hall of Justice (3700) Municipal & Superior Courts Security Measures, Phase II Leon Carlen	7-31-74	7-25-75	\$ 8,650.	\$ 1,644.	General
Hall of Justice (3416-R) Security Traffic Control Phase II Electrical Construction and Sales Co.	10-23-74	3-5-76	\$ 40,970.	\$ 6,047.	General
Hall of Justice (3745) Alterations to Rm. 565 S.F.P.D. Internal Affairs J. H. Nielsen	2-5-75	7-14-75	\$ 29,201.	\$ 10,270.	General
Hall of Justice (3769) Alterations to Room 459 Emergency "911" Center Florence Woodcraft Co.	4-25-75	1-14-76	\$ 30,465.	\$ 30,465.	General
Hall of Justice (3849) Alterations to Room 565 S.F.P.D. Internal Affairs A & P Construction	2-25-76	79%	\$ 12,517.	\$ 8,899.	General
Total Aggregate Value and Amount Expended			\$ 167,203.	\$ 95,905.	
H MISCELLANEOUS					
S.F. Police Dept.-Pistol (3677) Range Security Measures Transwestern Const. Inc.	6-19-74	5-29-75	\$ 34,919.	\$ 7,918.	General
Central Shops - Purchasing (3693) Dept., Twin Post Holists Fletcher, Eagan, & Paradiso	7-31-74	12-11-75	\$ 28,936.	\$ 28,936.	General
Mission Branch Library (3651) Renovation Work Leon Carlen	8-21-74	5-26-75	\$ 24,810.	\$ 2,705.	General
Chinatown Branch Library (3717) Renovation Work A & P Construction Co.	10-23-74	88%	\$ 22,903.	\$ 0	General
S.F. County Jail #2 (3642-R) Dental Facility Men's Building Madsen Const. Co.	11-6-74	4-10-75	\$ 30,025.	\$ 3,957.	General
S.F. County Jail #2 (3749) New Educational Facilities First Floor-North Wing Madsen Const. Co.	12-27-74	3-10-76	\$ 125,311.	\$ 96,376.	General
Southeast Police Station (3746) Skylight Crown Iron Works	1-17-75	12-9-75	\$ 4,350.	\$ 4,350.	General
Joseph Lee Rec. Center (3753) Rehabilitation-Phase II Wm. McIntosh & Son	3-19-75	11-18-75	\$ 111,064.	\$ 63,390.	General
Old South San Francisco (3630-R) Opera House - Renovation & Plaza Project Wm. McIntosh & Son	4-9-75	94%	\$ 589,882.	\$ 483,627.	General
S.F. County Jail #2 (3748-R) Kitchen Renovations Men's Building Madsen Const. Co.	6-6-75	3-5-76	\$ 173,140.	\$ 173,140.	General
S.F. County Jail #2 (3797) Fire Marshall's Requirements Egress From Infirmary, Phase I Ernie Lowe Construction	11-5-75	5-26-76	\$ 46,492.	\$ 46,492.	General
Hunters Point Community (3775-R) Youth Park General Construction A & J Shooter & Assoc.	12-28-76	66%	\$ 405,878.	\$ 243,334.	General
Martin Luther King Pool (3818) Enclosure James Marsh Company	2-11-76	25%	\$ 518,670.	\$ 73,926.	General
Garfield Square (3839) Rehab. of Natatorium A & P Construction, Inc.	2-18-76	28%	\$ 24,108.	\$ 7,033.	General

CURRENT CONTRACT DATA 1975-76

Description & Contractor	Awarded	Completed Date or %	Contract Amount	Amount Expended	Fund
H MISCELLANEOUS (continued)					
Department of Social Services (3675)					Social
Administration Bldg.					Services
The William Simpson Const.	3-10-76	0	\$ 6,629,000.	\$ 0	Corporation
Portola Playground (3853)					
Rehab. of Recreation Bldg.					
Transwestern Const. Inc.	4-7-76	0	\$ 49,250.	\$ 0	General
Benjamin H. Swig Pavilion (3869)					
Install. of Carpeting					
Visitors Center					
Hallidie Plaza					
Coulter's Carpet Service	5-12-76	0	\$ 6,880.	\$ 0	General
Francis Scott Key Monument (3829)					
Gen. Const. for Restoration					
Golden Gate Park					
Valentine Corp.	5-5-76	24%	\$ 108,782.	\$ 24,415.	General
Excelsior Playground (3842)					
Renovation of Fieldhouse					
Moore Construction Co.	5-26-76	0	\$ 20,600.	\$ 0	General
Benjamin H. Swig Pavilion (3872)					
Visitors Center, Hallidie					
Plaza					
Install. Wall Covering					
Gary S. Coulter	6-2-76	0	\$ 2,006.	\$ 0	General
Benjamin H. Swig Pavilion (3871-S)					
Visitors Center, Hallidie					
Plaza					
Install. of Metal Letters					
Directional Graphics Inc.	6-25-76	0	\$ 1,017.	\$ 0	General
Total Aggregate Value and Amount Expended			\$ 8,958,023.	\$ 1,259,599.	

